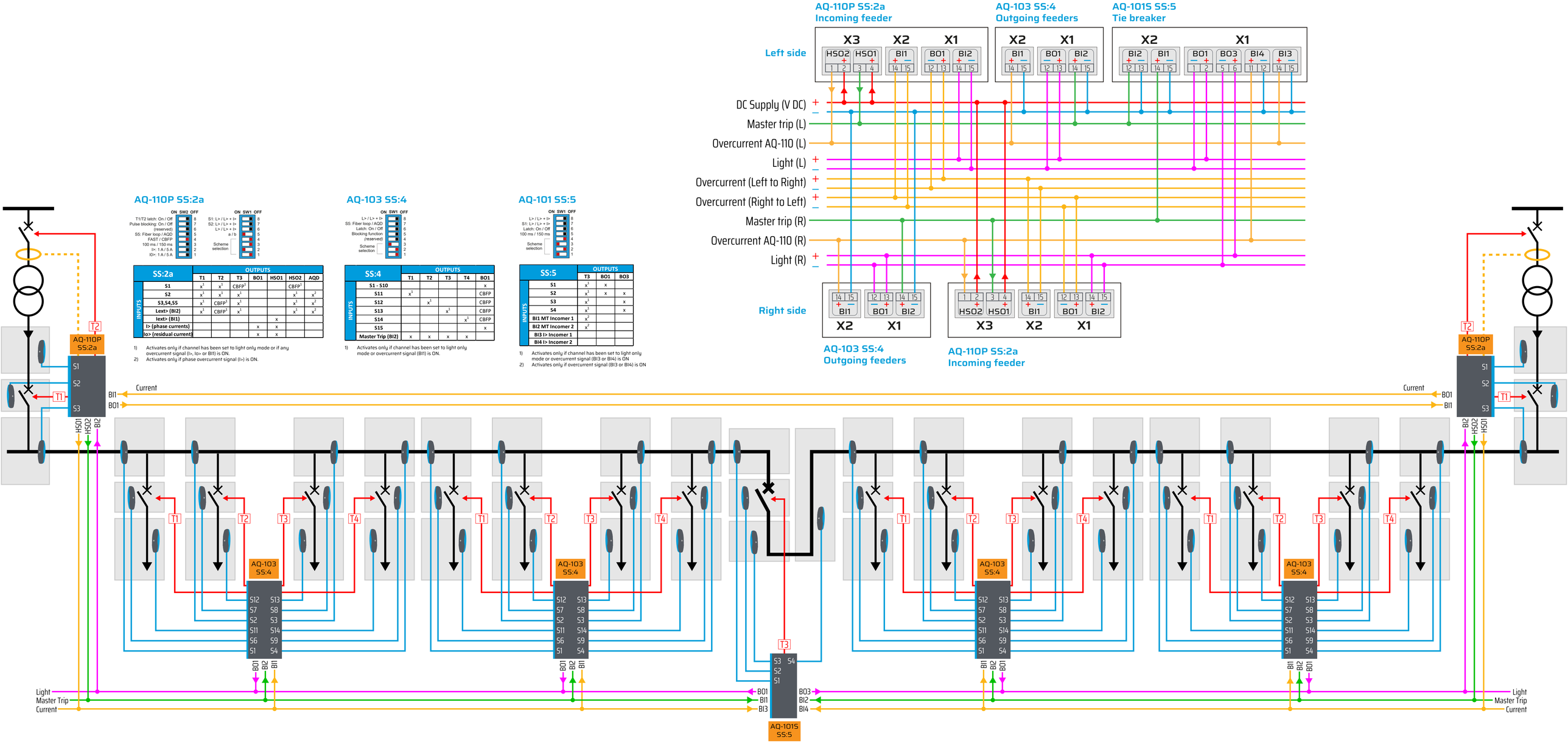
AQ-110P SS:2a
Incoming feeder
AQ-103 SS:4
Outgoing feeders
AQ-101S SS:5
Tie breaker
Left side
X3
X2
X1
HSO2
HSO1
BI1
BO1
BI2
BO3
BI4
BI3
DC Supply (V DC)
Master trip (L)
Overcurrent AQ-110 (L)
Light (L)
Overcurrent (Left to Right)
Overcurrent (Right to Left)
Master trip (R)
Overcurrent AQ-110 (R)
Light (R)
Right side
AQ-103 SS:4
Outgoing feeders
AQ-110P SS:2a
Incoming feeder
AQ-110P SS:2a
ON SW2 OFF
T1/T2 latch: On / Off
Pulse blocking: On / Off
(reserved)
S5: Fiber loop / AQD
FAST / CBFP
100 ms / 150 ms
I>: 1 A / 5 A
I0>: 1 A / 5 A
ON SW1 OFF
S1: I> / I> + t>
S2: I> / I> + t>
I> / I> + t>
a / b
Scheme selection
SS:2a
OUTPUTS
T1 T2 T3 BO1 HSO1 HSO2 AQD
INPUTS
S1
S2
S3,S4,S5
Iext> (BI2)
Iext> (BI1)
I> (phase currents)
Io> (residual current)
CBFP1
CBFP3
1) Activates only if channel has been set to light only mode or if any overcurrent signal (I>, Io> or BI1) is ON.
2) Activates only if phase overcurrent signal (I>) is ON.
AQ-103 SS:4
L> / L> + t>
S5: Fiber loop / AQD
Latch: On / Off
Blocking function
(reserved)
SS:4
OUTPUTS
T1 T2 T3 T4 BO1
INPUTS
S1 - S10
S11
S12
S13
S14
S15
Master Trip (BI2)
CBFP
1) Activates only if channel has been set to light only mode or overcurrent signal (BI1) is ON.
AQ-101 SS:5
L> / L> + t>
S1: L> / L> + t>
Latch: On / Off
100 ms / 150 ms
SS:5
OUTPUTS
T3 BO1 BO3
INPUTS
S1
S2
S3
S4
BI1 MT Incomer 1
BI2 MT Incomer 2
BI3 I> Incomer 1
BI4 I> Incomer 2
1) Activates only if channel has been set to light only mode or overcurrent signal (BI3 or BI4) is ON
2) Activates only if overcurrent signal (BI3 or BI4) is ON
AQ-110P SS:2a
T1
T2
S1
S2
S3
BI1
BO1
HSO1
HSO2
BI2
Current
AQ-103 SS:4
T1
T2
T3
T4
S12
S13
S7
S8
S2
S3
S11
S14
S6
S9
S1
S4
BO1
BI2
BI1
AQ-101S SS:5
T3
S3
S4
S2
S1
BO1
BI1
BI3
BO3
BI2
BI4
Light
Master Trip
Current