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Certificate No: LR2111869TA Issue Date: 12/01/2021 Expiry Date: 11/01/2026

## **Type Approval Certificate**

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer Arcteq Relays Oy

**Address** Kvartsikatu 2 A 1, Vaasa, 65300, Finland

Place of Production Comtec SMD Technique Oy Ab

Sepänkyläntie 212, MUSTASAARI, 65610, Finland

**Type** Relays - Electronic Monitors

**Description** Arc Protection System

AQ 100 Series, Comprising The Units:

AQ110P Combined Current And Arc Point Sensor Unit AQ110F Combined Current And Arc Fiber Sensor Unit

AQ101 Arc Point Sensor Unit AQ102 Arc Fiber Sensor Unit

AQ01 And AQ02 Arc Protection Point Sensors AQ06, AQ07 And AQ08 Arc Protection Fiber Sensors

**Trade Name** AQ 100, AQ110F, AQ110F, AQ101, AQ102, AQ01, AQ02, AQ06, AQ07 And AQ08

**Application** Marine, offshore and industrial applications for installation in electrical

switchboards located in ENV1 and ENV2 as defined in LR Type Approval Test Specification No. 1 - 2013 where the test specification is satisfactory for the

intended operation.

**Thorsten Wolff** 

Senior Specialist to Lloyd's Register EMEA A member of the Lloyd's Register group

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**Specified Standard** EN 60255-1: 2010

EN 60255-26: 2014 EN 60255-27: 2014

**Ratings** Power supply: 110 VDC, 220 VDC, 230 VAC

24 VDC, 48 VDC

Additional Tests Radiated electromagnetic field immunity tests (80MHz to 3GHz) according to

IEC 61000-4-3

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

Previous Version: 13/70001

The Design Appraisal Document The Design Appraisal Document HTS/ETS 40785-21/TW and its supplementary Type Approval Terms and Conditions form part of this Certificate. and its supplementary Type Approval Terms and

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