

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	Arcmaq 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, AQ110P, 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