

EC-TYPE EXAMINATION (MODULE B) CERTIFICATE

This is to certify that:

DBI Certification did undertake the relevant type approval procedures for the type of equipment identified below which was found to be in compliance with requirements of Marine Equipment Directive (MED) 2014/90/EU, subject to any conditions in the schedule attached hereto.

Manufacturer	Apollo Fire Detectors Ltd.
Address	36 Brookside Road, Havant, Hampshire, PO9 1JR, United Kingdom
Authorised Representative	Apollo Fire Detectors (Germany Office)
Address	Gesellschaft für Meldetechnologie mbH, Am Anger 31, 33332 Gütersloh, Germany
Directive Reference	MED Directive 2014/90/EU , Regulation as amended by MED (EU) 2022/1157.
Regulation Item	MED/3.51 Fixed fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces.
Product Type	(h) input/output devices (g) short circuit isolators
Product Description	See product description on page 2.
Specified Standards	EN 54-18:2005 incl. AC:2007, EN 54-17:2005 incl. AC:2007, IEC 60092-504:2016, IEC 60533:2015

The attached (*schedule of approval*) forms part of this certificate.

This certificate remains valid unless suspended, expired or withdrawn, provided the conditions in the attached schedule are complied with.

Date of issue	2022-11-24	Issued by DBI Certification Notified Body No. 2531
Expiry date	2027-11-24	

Signed 2022-11-24

Name



Merete Poulsen
Responsible for evaluation



Chris Ellis
Responsible for certification decision

Notes:

This certificate will not be valid if the manufacturer makes any changes or modifications to the approved type of equipment, which have not been notified to, and agreed with, the notified body named on this certificate.

During the period of validity of this certificate the applicable regulations (international conventions and the relevant resolutions and circulars of the IMO) and testing standards of the Commission Implementing Regulation may change, therefore the product conformity may need to be re-assessed by the Notified Body.

The Mark of Conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-control phase module (D, E, or F) of the Directive is fully complied with.

*In case limitations of use apply, these should be indicated of in the Annex
This certificate is issued under the authority of the Danish Maritime Authority.*

(Annex)

Schedule of Approval

Product Description

55000-772MAR DIN Rail switch monitor plus, MED/3.51(h)
55000-774MAR DIN Rail input/output unit, MED/3.51(h)
55000-775MAR DIN Rail mini switch monitor, MED/3.51(h) and MED/3.51(g)
55000-855MAR DIN Rail single channel protocol translator, MED/3.51(h)
55000-856MAR DIN Rail dual channel protocol translator, MED/3.51(h)
MA4700-302MAR DIN-Rail Input-Output Unit, MED/3.51(h) and MED/3.51(g)
MA4700-300MAR DIN-Rail Switch Monitor, MED/3.51(h) and MED/3.51(g)

Product Classification

EN 54-18:2005 incl. AC:2007
EN 54-17:2005 incl. AC:2007
IEC 60092-504:2016
IEC 60533:2015

Ratings:

Apollo Analogue Addressable Range of Accessories

Nominal voltage 17 to 28V DC

Operating temperature -20C to 60C, -30C to 70C or -40C to 70C dependent on model

Quiescent current 100 microA to 400microA dependent on model

Apollo Devices

Nominal voltage: 14 to 22V DC

Operating temperature: -20C to 60C

Quiescent current: 230 to 340 microA

Alarm current: 10 to 60 mA

Application / Limitation of Product

Ex certification is not covered by this certificate. Application or installation in hazardous area to be approved in each case according to Ex certification / Special condition for safe use listed in valid Ex certificate issued by a notified/recognized Certification Body.

Type Approval Documentation

Test report no.:

TE245499, dated 2009-05-22, BRE Global
TE 237154, dated 2009-04-23, BRE Global
P120501/1.0, dated 2021-07-06, BRE Global
TE-P120501-1000 Issue: 1, dated 2022-02-08, BRE Global
TE P101838-1001 Issue: 1, dated 2016-09-02, BRE Global
TL18049B, dated 2018-06-19, MS Testing
TL18049A Phase 2 System A, dated 2018-06-19, MS Testing
TL18048B Issue 2 Phase 1 System B, dated 2018-06-13, MS Testing
TL18050B Phase 3 System B, dated 2018-07-27, MS Testing
18R110 ER, dated 2018-03-26, Hursley EMC Eurofins
104528014LHD-001, dated 2021-01-08, Intertek
103382004LHD-002a, dated 2018-04-27, Intertek
103382004LHD-002b, dated 2018-04-27, Intertek
103382004LHD-021, dated 2018-04-24, Intertek

Documents:

45681-215_b_7_sht1of1
55000-760_b_9_sht1of1
55000-772_b_3_sht1of1
55000-774_b_3_sht1of1
55000-775_b_3_sht1of1
55000-855-b_7_sht1of1

Certificate No. 2531-MED-CMC10187

55000-855CD_3_Sht1of1
55000-856-b_6_sht1of1
55000-856CD_3_Sht1of1
MA4700-300_b_3_sht1of1
MA4700-302_b_3_sht1of1

Marking of Product

The product or packing is to be marked with name of manufacturer, type designation, technical rating and Mark of Conformity.

The Mark of Conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-control phase module (D, E, or F) of ANNEX II of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.

End of Certificate

