

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	(g) short circuit isolators (h) input/output devices
Product Description	See product description on page 2.
Specified Standards	EN 54-17:2005 incl. AC:2007, EN 54-18 (2005) including 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This certificate remains valid unless suspended, expired or withdrawn, provided the conditions in the attached schedule are complied with.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	2022-10-18	Issued by DBI Certification Notified Body No. 2531
Expiry date	2027-10-18	

This certificate was first issued 2022-10-18

Signed

Name



Merete Poulsen
Responsible for evaluation



Steen Nilsson
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

55000-773 Zone Monitor with Isolator

Product Classification

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

Ratings:

Supply Voltage: 17-28VDC

Operating Temperature: -20 to +70 deg C

Quiescent current: 40 mA plus detector load

Application / Limitation of Product

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

Type Approval Documentation

Test report no.:

BRE Global, TE 245499, dated 2009-05-22

Intertek, 104402659LHD-001, dated 2022-08-13

MS Testing, TL18049 & TL18073, Phase 2 System C, dated 2018-09-04

Hursley EMC, 18R110 ER Issue 1, dated 2018-03-26

Documents:

55000-773_b_6_sht1of1

55000-812_b_10_sht1of1

42000-002 - Circuit Diagram

43782-132 - PCB Assembly

P100480-1001 - BRE Test Report

104310669LHD-001 - EMC Testing (additional)

TL18049C_TL18073 - Marine Type Approval (testing)

43785-383

PP5016

20-2002388-PDA

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