



# EC Type Examination Certificate

## Notified Body 2843

This is to certify that ABS ITALY S.R.L. did undertake the relevant type approval procedures for the type of equipment identified below which was found to be in compliance with the requirements of Marine Equipment Directive (MED) 2014/90/EU, subject to any conditions in the schedule attached hereto.

ITEM NUMBER: MED/3.51g

IMPLEMENTING REGULATIONS (EU) 2020/1170

CERTIFICATE NUMBER: 11-792467-8-EC5

MANUFACTURER: Apollo Fire Detectors Ltd

MANUFACTURER'S LOCATION: Hampshire, UK

AUTHORIZED REPRESENTATIVE: Apollo Fire Detectors (Germany Office)

PRODUCT DESIGNATION: Fixed Fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces Isolators

STANDARDS AND REGULATIONS: European Union Marine Equipment Directive 2014/90/EU referencing testing requirement of implementing regulation 2020/1170.  
SOLAS 74 Reg. II-2/7; SOLAS 74 Reg. X/3; IMO Res. MSC.98(73)-(FSS Code)9;  
IMO Res.MSC.36(63)-(1994 use Code) 7; IMO Res.MSC.97(73)-(2000 HSC Code) 7;  
IMO Res. MSC.391(95)-(IGF Code) 11, IMO MSC.1/Circ.1242;  
EN 54-17:2005 inc. AC:2007  
IEC 60092-504 (2016), IEC 60533 (2015)

THIS CERTIFICATE IS ISSUED IN COMPLIANCE WITH CONFORMITY ASSESSMENT **MODULE B** OF THE REGULATIONS AND DIRECTIVES LISTED ABOVE.

ISSUE DATE: 25-jun-2021

EXPIRATION DATE: 31-aug-2022

ELECTRONICALLY  
SIGNED BY: E. Brina

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.

Should the specified regulations or standards be amended during the period of validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on the market and on board vessels to which the amended regulations or standards apply.

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 B of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.

The attached document schedule forms part of this Certificate.

This certificate remains valid unless suspended, expired or withdrawn, provided the conditions in the attached schedule are complied with.

**Entry Date:** 25-jun-2021

**Name of Equipment  
Manufacturer:**

Apollo Fire Detectors Ltd  
36 Brookside Road  
Havant, Hampshire  
PO9 1JR United Kingdom  
**Tel:** +44 (0) 2392442732  
**Email:** francesca.stott@apollo-fire.com  
**Website:** www.apollo-fire.com

**Manufacturer site:** N/A

**Authorized representative:**

Apollo Fire Detectors (Germany Office)  
Gesellschaft für Meldetechnologie mbH  
Am Anger 31  
33332 Gütersloh  
Germany  
Tel. +49 5241 33060

**Equipment/Component:**

Fixed Fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces:  
- Isolators

**Model:**

45681-286MAR 20D Negative isolating base  
55000-721MAR 20D Negative isolator  
55000-770MAR DIN Rail dual isolator  
58100-971MAR Isolator for Red Manual Call Point  
58100-976MAR Isolator for Waterproof Manual Call Point  
58200-976 Isolator for Waterproof Manual Call Point  
SA5900-928MAR Isolator for Manual Call Point  
55000-773 MAR Isolator for DIN Rail Zone Monitor  
MA4700-302MAR Isolator for DIN-Rail Input-Output Unit  
MA4700-300MAR Isolator for DIN-Rail Switch Monitor

**Description:**

Analogue addressable accessories for marine and offshore applications in process, machinery and accommodation spaces.

**Intended Service:**

Analogue addressable accessories for marine and offshore applications in process, machinery and accommodation spaces.

**Ratings:**

Apollo Analogue Addressable 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 Isolators  
Nominal voltage: 14 to 22V DC;  
Operating temperature: -20C to 60C;  
Quiescent current: 230 to 340 microA;  
Alarm current: 10 to 60 mA

**Standards:**

**European Union Marine Equipment Directive 2014/90/EU  
referencing testing requirement of implementing  
regulation 2020/1170**

SOLAS 74 Reg. II-2/7; SOLAS 74 Reg. X/3; IMO Res.  
MSC.98(73)-(FSS Code)9;  
IMO Res.MSC.36(63)-(1994 use Code) 7; IMO  
Res.MSC.97(73)-(2000 HSC Code) 7;  
IMO Res. MSC.391(95)-(IGF Code) 11, IMO  
MSC.1/Circ.1242;  
EN 54-17:2005 inc. AC:2007  
IEC 60092-504 (2016), IEC 60533 (2015)

**Service Restrictions/Limitations:**

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.

**Comments:**

**Should the specified regulations or standards be amended during the validity of this certificate, the products are to be re-approved prior to being placed on board vessels to which the amended regulations or standards apply.**

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

**A Manufacturer's Declaration of Conformity shall be compiled and distributed in line with the requirements of Directive 2014/90/EU Article 16.**

**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.**

**Revisions:**

**Certificate N°. 11-792467-8-EC5, replaces Certificate N°. 11-LD792467-7-EC5 Dated: 30-oct-2020**

**Drawing Schedule:**

Drawing No	Description
16-LD1536864-PDA	PRODUCT DESIGN ASSESSMENT
18-LD1743032-PDA	PRODUCT DESIGN ASSESSMENT
18-LD1743030-PDA	PRODUCT DESIGN ASSESSMENT