

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, GB-P09 1JR United Kingdom
Authorised Representative	Apollo Fire Detectors Gesellschaft für Meldetechnologie mbH
Address	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	(d) smoke detectors: point detectors using scattered light, transmitted light or ionization
Product Description	See product description on page 2.
Specified Standards	EN 54-7:2018, 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This certificate remains valid unless suspended, expired or withdrawn, provided the conditions in the attached schedule are complied with.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 2022-08-31 Issued by DBI Certification Notified Body No. **2531**
Expiry date 2027-08-31

This certificate was first issued 2022-08-31 by NB no. 2531.

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

Orbis Conventional Range of Smoke Detectors:

ORB-OH-43003-MAR

ORB-OP-42003-MAR

ORB-MB-00001-MAR

ORB-OH-43001-MAR

ORB-OP-42001-MAR

Product Classification

EN 54-7:2018, IEC 60092-504:2016, IEC 60533:2015

Ratings:

Smoke Detectors Nominal voltage: 8.5 to 33V DC (nonpolarised);

Operating temperature: -40 C to 70 °C

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.:

TE-P105642-1001 Issue: 1, dated 2019-03-21, BRE Global Ltd

TE-P105641-1001 Issue: 1, dated 2018-10-31, BRE Global Ltd

210364, dated 2004-01-05, BRE

210362, dated 2004-01-05, BRE

TL18051B Phase 4 System B, dated 2018-07-23, MS testing

TL18051A Phase 4 System A, dated 2018-07-17, MS testing

18R110 ER, dated 2018-03-26, Hursley EMC Eurofins

Tested according to:

EN 54-7:2001

IEC 60092-504:2016

IEC 60945:4 edition, 2002

Documents:

300-MA-00003 Build Standard

400-OH-00003 Build Standard

400-OH-00004 Build Standard

400-OP-00005 Build Standard

400-OP-00006 Build Standard

20-1966606-PDA Product Design Assessment

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