

TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MERB0001N3S
Revision no.:
0

This Certificate is issued by DNV UK Limited based on authorisation of the Maritime & Coast Guard Agency (MCA) as an UK Approved Body to undertake conformity assessments on marine equipment in accordance with the requirements of the Merchant Shipping (Marine Equipment) Regulations 2016 as amended.

This is to certify:

that the **Fixed fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces: - heat detectors- point detectors**

with type designation(s)
631H-F, 601H-R-M, 611H-F, MD611EX, MD601EX

issued to

Tyco Fire & Security GmbH
Neuhausen am Rheinfall-Schaffhausen, Switzerland

is found to comply with the Regulation (UK) **MSN 1874 Amendment 10** for
Item no. **UK/3.51c (Row 2 of 2)**
according to the following requirements:

SOLAS 74 Reg. II-2/7, IMO Res. MSC.36(63)-(1994 HSC Code) 7, IMO Res. MSC.97(73)-(2000 HSC Code) 7, IMO Res. MSC.391(95)-(IGF Code) 11, IMO MSC.1/Circ.1242, SOLAS 74 Reg. X/3, IMO Res.MSC.98(73)-(FSS Code) 9

Further details of the equipment and conditions for certification are given overleaf.

Date of issue: **2025-08-22**

Expiry date: **2030-08-21**

DNV local unit:
UK & Ireland CMC & VMC



for **DNV UK Ltd.**

Approval Engineer:
Frode Nygård

Approved Body No.: **0097**

Christine Mydlak-Röder
MER Service Responsible



**Maritime &
Coastguard
Agency**

UK Approved Body Authorised
by the MCA

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 approved 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 may change, therefore the product conformity may need to be re-assessed by the Approved 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 Schedule 2 of the Merchant Shipping (Marine Equipment) Regulations 2016, as amended is fully complied with and controlled by a written inspection agreement with an approved body. In case limitations of use apply, these should be indicated in the Annex.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to USD 300 000.



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Product description

Heat Detectors (Marine) and detector bases.

Please see Appendix: Product Description

Application/Limitation

Please see Appendix: Application/Limitation

Type Examination documentation

Tests carried out

Applicable tests according to:

- IEC 60092-504:2016,
- IEC 60533:2015,
- EN 54-5:2017 incl. A1:2018.

Marking of product

For identification to this type examination certificate the products shall be marked with:

- Manufacturer's name or trademark
- Type designation
- Mark of Conformity (UK Conformity Mark), followed by
 - identification number of the Approved Body involved in production control (MER D)
 - the year the mark is affixed
 - Example: 0097/2025

APPENDIX

Product Description

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Type	Number	Description
601H-R-M	516.600.203	Rate-of-Rise Heat Detector
611H-F	516.600.214	60°C Fixed Heat Detector
631H-F	516.600.033	90°C Fixed Heat Detector
MD601EX	516.052.051.Y	Conventional IS Heat Detector
MD611EX	516.052.041.Y	Conventional IS Heat Detector

Common bases

Type	Number	Description
5B	517.050.017	5B 5" UNIVERSAL BASE
5BEX	517.050.023	5BEX 5" UNIVERSAL EX BASE
M600Ex (MUBEx)	517.050.610	MUBEx BASE FOR 600/800Ex
M600/M900/4B	517.050.401	Universal mounting base
DHM69/4B-DHM	517.050.051	Deckhead mounting kit

Place of manufacture

Tyco Fire & Security Czech Republic s.r.o.
 Ulice Osvobození 363, Ráječko
 Czech Republic

APPENDIX

Application/Limitation

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Ex-certification is not covered by this certificate. Application in hazardous area to be approved in each case according to the Rules and Ex-Certification/ Special Condition for Safe Use listed in valid Ex-certificate issued by a notified/recognized Certification Body.

The equipment is found to comply with the following location/application dependent requirements (for definition of each of the location classes, see below the table):

Product	Temperature	Vibration	EMC
631H-F 601H-R-M 611H-F MD611EX MD601EX	TEM-D	VIB-A	EMC-B

Temperature:	TEM-D: Location (-25°C to +70°C)	(ref. IEC 60092-504:2016 table 1 item 6-7)
Vibration:	VIB A: General applications (± 1 mm / ± 0.7 g)	(ref. IEC 60092-504:2016 table 1 item 10)
EMC:	EMC B: Bridge and deck zone	(ref. IEC 60092-504:2016 table 1 item 13-20)