

TYPE APPROVAL CERTIFICATE

Certificate No:
TAA00000MY
Revision No:
1

This is to certify:

That the Fire Detector

with type designation(s)

601P-M, 601PH-M, 601H-R-M, 601H-F-M, 611H-F, 631H-F

Issued to

Tyco Fire & Security GmbH
Neuhausen am Rheinfall, SH, Switzerland

is found to comply with

DNV rules for classification – Ships, offshore units, and high speed and light craft

Application :

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.

Location classes:

Type	Temperature	Humidity	Vibration	EMC	Enclosure
601P-M, 601PH-M	D	B	A	B	With Base 5B 5": Class A
601H-R-M, 601H-F-M	C	B	A	B	With Base 5B 5" and DHM 69: Class B
611H-F, 631H-F	C	B	A	B	B

Issued at **Høvik** on **2022-11-08**

This Certificate is valid until **2026-06-30**.

DNV local unit: **UK & Ireland CMC & VMC**

Approval Engineer: **Ståle Sneen**

for **DNV**



Digitally Signed By: Elter, Frederik Tore
Location: DNV Høvik, Norway

Frederik Tore Elter
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

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 300,000 USD.



Product description

Type	Function
601P-M	Conventional Optical Smoke Detector
601PH-M	Conventional High Performance Smoke Detector
601H-R-M	Conventional RoR and Fixed Temperature Heat Detector
601H-F-M	Conventional Fixed Temperature Heat Detector
611H-F	Conventional 60°C Fixed Temperature Heat Detector
631H-F	Conventional 90°C Fixed Temperature Heat Detector
5B 5"	Universal Mounting Base
4B	Universal Mounting Base
4B-DHM	Deck Head Mounting Base
DHM69	Deckhead Mounting Kit

Place of manufacture

Tyco Fire & Security Czech Republic s.r.o.
Osvobození 363
Ráječko
CZ 679 02 Rájec-Jestřebí
Czech Republic

Application/Limitation

System Application and location to be in accordance with relevant parts of the Rules.

Approval conditions

The Type Approval covers hardware listed under Product description. When the hardware is used in applications to be classed by DNV, documentation for the actual application is to be submitted for approval by the manufacturer of the application system in each case. Reference is made to DNV rules for classification of ships Pt.4 Ch.9 Control and monitoring systems.

Type Approval documentation

Optical Smoke Detector 601P-M	
Product Application and Design Information	01C-02-D6, issue 6
Circuit diagram	C 125.585.955/956, issue 6
Parts list	CL 516.600.001.T, issue 3
Detector assembly	DL 516-600-001.T, issue 13
Label details	516.600.201.M, issue 3
PCB Assembly & Parts list	125-585-955, issue 7
Test Report, EN54-7	BRE/LPCB No. 212335
Test Report, Marine	BRE/LPCB No. 212336
Test Report, EMC	Intertek No. 103836150HD-001g Issue 1

High Performance Optical Smoke Detector 601PH-M	
Product Application and Design Information	01C-02-D2, issue 5
Circuit diagram	C 125.585.955/956, issue 6
Parts list	CL 516-600-002.T, issue 4
Label details	516-600-002.T, issue 6
Label details	516-600-202, issue 4
PCB Assembly & Parts list	125-585-956, issue 6
Test Report, EN54-7	BRE/LPCB No. 212331
Test Report, Marine	BRE/LPCB No. 212332
Test Report, EMC (supplementary)	Intertek No. 103836150HD-001i Issue 1

Heat Detector 601H-R-M	
Product Application and Design Information	01C-02-D5, issue 6
Circuit diagram	C 125.585.957/960, issue 1
Parts list	CL 516-600-003.T, issue 3

Label details	516-600-003.T, issue 7
Label details	516.600.203.M, issue 3
PCB Assembly & Parts list	125-585-957, issue 3
Test Report, EN54-5	BRE/LPCB No. 212366
Test Report, Marine	BRE/LPCB No. 212367
Test Report, EMC (supplementary)	Intertek No. 103836150HD-001h Issue 1

Heat Detector 601H-F-M	
Product Application and Design Information	01C-02-D5, issue 6
Circuit diagram	C 125.585.957/960, issue 1
Parts list	CL 516-600-013.T, issue 2
Label details	516-600-013.T, issue 9
Label details	516-600-213, issue 3
PCB Assembly & Parts list	125-585-960, issue 3
Test Report, EN54-7	BRE/LPCB No. 212366
Test Report, Marine	BRE/LPCB No. 212367
Test Report, EMC (supplementary)	Intertek No. 103836150HD-001h Issue 1

Heat Detector 611H-F 60°C	
611H-F 60deg C Fixed Temperature Heat Detector, Components List	CL 516-600-214, issue 1
611H-F 60deg C Fixed Temperature Heat Detector, Assembly drawing, Label	516-600-214, issue 2
Body Moulding	121.013.001, issue I
Dust Cup Base	121.003.199, issue I
Closure Moulding	121.003.320, issue I
Cover Moulding	121.003.325, issue I
MX detector Dust Cup	121.003.336, issue I
PCB Assembly	125.585.960, issue 3
Circuit Diagram	C 125.585.957/960, issue 1
Drawing	125-165-470, issue I
Product Application and Design Information	01C-02-D5, issue 6
Installation Instruction	01C-02-I1, issue 3
BRE Test Report acc. to EN 54-5: 2000	No: TE 244977, dated 2009-02-23
Test Report, EMC (supplementary)	Intertek No. 103836150HD-001h Issue 1

Heat Detector 631H-F 90°C	
631H-F 90deg C Fixed Temperature Heat Detector, Components List	CL 516-600-033, issue 1
631H-F 90deg C Fixed Temperature Heat Detector, Assembly drawing, Label	516-600-033, issue 2
Body Moulding	121.013.001, issue I
Dust Cup Base	121.003.199, issue I
Closure Moulding	121.003.320, issue I
Cover Moulding	121.003.325, issue I
MX detector Dust Cup	121.003.336, issue I
PCB Assembly	125.685.050, issue I
631H-F Circuit Diagram	C 125-685-050, issue 1
Drawing	125-165-470, issue I
Product Application and Design Information	01C-02-D5, issue 6
Installation Instruction	01C-02-I1, issue 3
BRE Test Report acc. to EN 54-5: 2000	No: TE 244977, dated 2009-02-23
Test Report, EMC (supplementary)	Intertek No. 103836150HD-001h Issue 1

Universal Mounting Base 5B 5"	
Installation Instruction	01C-02-I1, issue 3

Mounting Base 4B	
4B 4" Base	A 517.050.041 Rev.1, 23-06-11
Component List for 4B 4" Base	CL 517.050.041 Rev.1, 23-06-11
Printed Packaging Bag 4B 4" Base	123.001.062 Rev.1, 31-05-11

Mounting Base 4B-DHM	
4B – DHM 4" Base	A 517.050.051 Rev.1, 01-05-12
Component List for 4B – DHM 4" Base	CL 517.050.051 Rev.1, 01-05-12
4" DHM Moulding	121.003.398 Rev.2, 22-05-09

Type approval renewal assessment report for TAA00000MY, DNV Prague 2021-08-16.
Type approval renewal assessment report for TAA00000MY, DNV Great Yarmouth 2022-05-25.

Tests carried out

Applicable tests according to:

- EN 54-5:2017 incl. A1:2018
- EN 54-7:2018
- DNV-CG-0339:2021

Marking of product

The products to be marked with:

- manufacturer name
- model name
- serial number

Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the type are complied with, and that no alterations are made to the product design or choice of systems, software versions, components and/or materials.

The main elements of the assessment are:

- Ensure that type approved documentation is available
- Inspection of factory samples, selected at random from the production line (where practicable)
- Review of production and inspection routines, including test records from product sample tests and control routines
- Ensuring that systems, software versions, components and/or materials used comply with type approved documents and/or referenced system, software, component and material specifications
- Review of possible changes in design of systems, software versions, components, materials and/or performance, and make sure that such changes do not affect the type approval given
- Ensuring traceability between manufacturer's product type marking and the type approval certificate

Periodical assessment is to be performed after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate.

END OF CERTIFICATE