EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB00002TX
Revision No:
2

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV GL SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

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: Smoke detectors and Short circuit isolators

with type designation(s)
SOC-E3NM, SOC-E3NM (WHT), ALN-ENM, ACC-ENM, ALN-ENM(WHT), ACC-ENM(WHT), YBN-R/3M(SCI), YBN-R/3M(WHT)-SCI, SOC-E-ISM, SOC-E-ISM(WHT), YBN-R4IS, YBN-R4IS(WHT), ALN-ENM(SCI), ALN-ENM(WHT)-SCI, ACC-EN(SCI), ALN-EN(WHT)-SCI

Issued to
Hochiki Europe (UK) Ltd.
Gillingham, Kent, United Kingdom

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2020/1170,**
item No. MED/3.51d. SOLAS 74 as amended, Regulation II-2/7 & X/3, 1994 HSC Code 7, 2000 HSC Code 7, FSS Code 9, IGF Code 11 and IMO MSC.1/Circ.1242
item No. MED/3.51g. SOLAS 74 as amended, Regulation II-2/7 & X/3, 1994 HSC Code 7, 2000 HSC Code 7, FSS Code 9, IGF Code 11 and IMO MSC.1/Circ.1242

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

This Certificate is valid until **2025-03-16**.
Issued at **Hamburg** on **2020-10-27**

DNV GL local station:
Manchester

Approval Engineer:
Heinz Scheffler

Notified Body
No.: **0098**

for **DNV GL SE**
Digitally Signed By: Mydlak-Röder, Christine
Location: DNV GL Hamburg, Germany
on behalf of

Gerhard Aulbert
Head of 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-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU.
This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV GL SE of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled.
Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.

© DNV GL 2014. DNV GL and the Horizon Graphic are trademarks of DNV GL AS.

Product description

Conventional

SOC-E3NM:Optical Smoke Detector

SOC-E3NM (WHT): Optical Smoke Detector (White)

- Compatible Base
  - YBN-R6: Mounting base
  - YBN-R/6M (WHT): Mounting Base (White)
  - MBB-1: Marine Back Box
  - MBB-2: Marine Back Box
  - MBB-2(WHT): Marine Back Box (White)

SOC-E-ISM: Optical Smoke Detector

SOC-E-ISM(WHT): Optical Smoke Detector (White)

- Compatible Base
  - YBN-R4IS: Mounting Base
  - YBN-R4IS(WHT) Mounting Base (White)
  - MBB-1: Marine Back Box
  - MBB-2: Marine Back Box
  - MBB-2(WHT): Marine Back Box(WHT)

Addressable

ACC-ENM(SCI): Optical Smoke Multi-Detector with Short Circuit Isolator (SCI)

ACC-ENM(WHT)-SCI: Optical Smoke Multi-Detector (White) with Short Circuit Isolator (SCI)

- Compatible Base
  - YBV-R/4M: Mounting Base
  - YBV-R/4M(WHT) Mounting Base (White)
  - MBB-2: Marine Back Box
  - MBB-2(WHT): Marine Back Box(WHT)

ACC-ENM: Optical Smoke Multi-Detector

ACC-ENM (WHT): Optical Smoke Multi-Detector (White)

- Compatible Base
  - YBN-R/3M: Electronics Free Mounting Base
  - YBN-R/3M(WHT): Electronics Free Mounting Base (White)
  - YBN-R/3M(SCI): Electronics Free Mounting Base
  - YBN-R/3M(WHT)-SCI: Electronics Free Mounting Base (White)
  - MBB-1: Marine Back Box
  - MBB-2: Marine Back Box
  - MBB-2(WHT): Marine Back Box (White)

ALN-ENM(SCI): Optical Smoke Detector with Short Circuit Isolator (SCI)

ALN-ENM(WHT)-SCI: Optical Smoke Detector (White) with Short Circuit Isolator (SCI)

- Compatible Base
  - YBV-R/4M: Mounting Base
  - YBV-R/4M(WHT) Mounting Base (White)
  - MBB-2: Marine Back Box
  - MBB-2(WHT): Marine Back Box(WHT)

ALN-ENM: Optical Smoke Detector
ALN-ENM(WHT): Optical Smoke Detector (White)

- Compatible Base
  - YBN-R/3M: Electronics Free Mounting Base
  - YBN-R/3M(WHT): Electronics Free Mounting Base (White)
  - YBN-R/3M(SCI): Electronics Free Mounting Base
  - YBN-R/3M(WHT)-SCI: Electronics Free Mounting Base (White)
  - MBB-1: Marine Back Box
  - MBB-2: Marine Back Box
  - MBB-2(WHT): Marine Back Box (White)

Application/Limitation

SOC-E3NM (WHT): Salt mist test was carried out to be installed in non-weather protected areas, for example on open deck.

Type Examination documentation

Test report: 103925944LHD-001a, TE282478, TE277796, 277796-SW-B, TE277796-SW-A, 103925944LHD-001b, TE289409, P101084-1001, 103925944LHD-001c, 101978111LHD-002c, TE277796-SW-A, TE277796-SW-B, 101978111LHD-002c. P103234-1001-SW, TE-P103234, 103070255LHD-002, 103070255LHD-021, TE277796, 277796-SW-A, 277796-SW-B, 103925944LHD-001c, TE-P115398-1000, SW-P115398-1000, 104165919LHD-021, 104165919LHD-001a, TE-P109335-1001, TE-P105977-1001, SW-P105977-1001, P111210, P105975, SW-P105975-1001, 104165894LHD-021, 104165894LHD-001b, 104165894LHD-001a, 104165894LHD-001c
Documents: General Assembly & Circuit Diagrams:
HA-01-592, HA-01-590, 1410110-00, HA-08-116, HA-01-567, 1670690-00, 1426250-00, 1426260-00, 1426260-00, 1212330-00, 1428010-00, 1410160-00, 1415150-00, 1226370-00, HA-01-649, HA-08-122,
Installation Instructions:
2-3-0-246, 2-3-0-500, 2-3-0-1499, 2-3-0-2853
Product Specification (Datasheets):
ACC-ENM, ALN-ENM, YBN-R3/M(SCI), YBN-R/3M, YBN-R/6M, MBB-2, SOC-E-ISM, ACC-ENM(SCI), ALN-ENM(SCI), YBV-R/4M, YBN-R4IS

Tests carried out

EN 54-7 (2000) including A1(2002) and A2(2006), EN 54-17 (2005) including AC (2007), IEC 60092-504 (2016), IEC 60533 (2015)

Marking of product

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

- Manufacturer name
- Type designation with device type
- Serial Number
- Mark of Conformity (see footer on page 1)

END OF CERTIFICATE