

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

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 & accom. spaces, cabin balconies, machinery spaces & unattended machinery spaces: Smoke detectors – Point detectors using scattered or transmitted light or ionization

with type designation(s)

SLR-E3NM, SLR-E-IS, SOC-E3N, SOC-E3N (WHT), ALN-ENM, ACC-ENM, ALG-ENM

Issued to

**Hochiki Europe (UK) Ltd.
London, United Kingdom**

is found to comply with the requirements in the following Regulations/Standards:

Regulation **(EU) 2017/306,**

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 and IMO MSC.1/Circ.1242

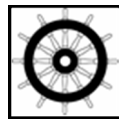
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2020-04-01.**

Issued at **Hamburg** on **2018-01-25**

DNV GL local station:
Southampton

Approval Engineer:
Heinz Scheffler



Notified Body
No.: **0098**

for **DNV GL SE**

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Sven Dudzus
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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.



Product description

Conventional

SLR-E3NM: Optical Smoke Detector

- Compatible Base
 - YBN-R/6M: Mounting Base
 - MBB-1: Marine Back Box
 - MBB-2: Marine Back Box

SLR-E-IS: Intrinsically Safe Conventional Optical Smoke Detector

- Compatible Base
 - YBN-R/4IS: Intrinsically Safe Mounting Base
 - MBB-1: Marine Back Box
 - MBB-2: Marine Back Box

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

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

Addressable

ACC-ENM: Optical Smoke Multi-Detector

- Compatible Base
 - YBN-R/3M: Electronics Free Mounting Base
 - YBO/SCIM: Short Cricuit Isolator Base
 - MBB-1: Marine Back Box
 - MBB-2: Marine Back Box

ALN-ENM: Optical Smoke Detector

- Compatible Base
 - YBN-R/3M: Electronics Free Mounting Base
 - YBO/SCIM: Short Cricuit Isolator Base
 - MBB-1: Marine Back Box
 - MBB-2: Marine Back Box

ALG-ENM: Optical Smoke Detector

- Compatible Base
 - YBN-R/3M: Electronics Free Mounting Base
 - YBO/SCIM: Short Cricuit Isolator Base
 - MBB-1: Marine Back Box
 - MBB-2: Marine Back Box

Job Id: **344.1-007044-1**
Certificate No: **MEDB00002TX**

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 : TE270507; TE280668; TE270507-SW; TE282478; TE277796; TE289409; TE280668; TE277796-SW-A; TE235603; TE94409; TE 241495; TE237910; TE235177; TE235177SW; 210414; 206362; 94412; 103070255LHD-021; 103070255LHD-002; SW-P103234-1001 Issue:1; TE-P103234-1001 Issue:1

Product Documents: ACC-EN Document List; ALN-EN Document List, ACC-ENM Specification; ALG-ENM Specification; ALN-ENM Specification; SLR-E3NM Data Sheet; SLR-E3NM PCB Assembly Comp List & Drg; SLR-E3NM Circuit Diagram; SLR-E-IS Assembly Component List; SLR-E-IS Circuit Diagram; HA-01-465 ALG-EN Assembly; HA-01-590 ASSY PCB SOC-E3_E3N SERIES; HA-01-592 ASSY SOC-E3N_E3N(WHT)-ASSEMBLY; HA-01-592 ASSY SOC-E3N_SERIES; HA-08-121 SCHEMATIC SOC-E3(HFP)_-E3N SERIES, HA-08-121_Schematic_Soc-e3_series

Tests carried out

EN 54-7 (2000) including A1(2002) and A2(2006), IEC 60092-504 (2001) including IEC 60092- 504 Corrigendum 1 (2011), IEC 60533 (1999).

Marking of product

According to Article 10 of the Council Directive (MED):

- The wheel mark shall be affixed visibly, legibly and indelibly to the product or to its data plate and, where relevant, embedded in its software. Where that is not possible or not warranted on account of the nature of the product, it shall be affixed to the packaging and to the accompanying documents.
- The wheel mark shall be affixed at the end of the production phase.
- The wheel mark shall be followed by the identification number of the notified body, where that body is involved in the production control phase, and by the year in which the mark is affixed.
- The identification number of the notified body shall be affixed by the body itself or, under its instructions, by the manufacturer or the manufacturer's authorized representative.

END OF CERTIFICATE