

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MEDB0000BH0
Revision no.:
0

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Authority. This Certificate is issued by DNV AS under the authority of the Government of Norway.

This is to certify:

that the **Public Address and General Alarm Systems (PAGA): - speakers**

with type designation(s)
D1xL, D2xL, E2xL

issued to

European Safety Systems Ltd.
London, United Kingdom

is found to comply with the Implementing Regulation (EU) 2024/1975 for
Item no. **MED/1.44b** (Row **1 of 1**)

according to the following requirements:

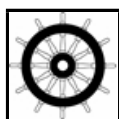
SOLAS 74 Reg. II-2/12, SOLAS 74 Reg. II-2/21, SOLAS 74 Reg. II-2/22, SOLAS 74 Reg. III/6, IMO Res. A.1021(26) 5, IMO Res. MSC.48(66)-(LSA Code) VII, IMO MSC.1/Circ.808, IMO MSC.1/Circ.1369/Add.1, SOLAS 74 Reg. III/4, SOLAS 74 Reg. X/3, IMO Res.MSC.36(63)-(1994 HSC Code) 4, IMO Res.MSC.36(63)-(1994 HSC Code) 8, IMO Res.MSC.97(73)-(2000 HSC Code) 4, IMO Res.MSC.97(73)-(2000 HSC Code) 8

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

Date of issue: **2025-11-03**

Expiry date: **2030-11-02**

DNV local unit:
UK & Ireland CMC & VMC



for **DNV AS**

Approval Engineer:
Tommi Juhani Rifaat

Notified Body
no.: **0575**

Christine Mydlak-Röder
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 AS 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.

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

Please see Appendix: Product Description

Application/Limitation

The speakers are to be installed according to the instructions in the installation manuals.

Type Examination documentation

Tests carried out

Environmental testing: IEC 60945 (2002) incl. Corr.1 (2008)
Performance testing: EN 50695 (2021)

Marking of product

The type designation and name and contact address of the manufacturer shall be affixed visibly, legibly and indelibly to the product. In addition the product shall be marked with serial/batch number and safe distance to magnetic compass.

APPENDIX

Product Description

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The units listed below are loudspeakers and transformers for sounding of Public Address or General Emergency Alarm.

Product	Type	Rated Voltage (V)	Max Power (W)	Location
D1xL1F	Explosion Proof Speaker 117dB (A)	70V or 100V or 25V/70V	15W	Exposed
D1xL2F	Explosion Proof Speaker 123dB (A)	70V or 100V or 25V/70V	25W	Exposed
D1xL2H	Explosion Proof Speaker 126dB (A)	70V or 100V or 25V/70V	25W	Exposed
D2xL1F	Hazardous Location Speaker 120dB (A)	70V or 100V	15W	Exposed
D2xL2F	Hazardous Location Speaker 124dB (A)	70V or 100V	25W	Exposed
D2xL2H	Hazardous Location Speaker 129dB (A)	70V or 100V	25W	Exposed
E2xL15F	PA Loudspeaker	70V or 100V	15W	Exposed
E2xL25F	PA Loudspeaker	70V or 100V	25W	Exposed