TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MERB0001N81
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 **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 Regulation **(UK) MSN 1874 Amendment 10** for
Item no. **UK/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: **2025-11-05**

Expiry date: **2030-11-04**

DNV local unit:
UK & Ireland CMC & VMC

Approval Engineer:
Tommi Juhani Rifaat

Approved Body No:: 0097

for **DNV UK Ltd.**

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.

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

Certificate no.:
MEDB0000BH0
Revision no.:
0

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