

TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MERB0001N7F
Revision no.:
0

This Certificate is issued by DNV UK Limited, UKAS accredited certification body no. 6086, based on authorisation of the Maritime & Coast Guard Agency (MCA) as an UK Approved Body (no. 0097) to undertake conformity assessments on marine equipment in accordance with the requirements of the Merchant Shipping (Marine Equipment) Regulations 2025.

This is to certify:

that the **Fire alarm devices - sounders**

with type designation(s)
PROTECT-Series / PRO 10 and PRO L 10

issued to

Pfannenbergl GmbH
Werner-Witt-Str. 1 21035 Hamburg Germany

is found to comply with the Regulation (UK) **MSN 1874 Amendment 11** for
Item no. **UK/3.53 (Row 2 of 2)**

according to the following requirements:

SOLAS 74 Reg. II-2/7, IMO Res. MSC.36(63)-(1994 HSC Code) 7, IMO Res. MSC.97(73)-(2000 HSC Code) 7, IMO MSC.1/Circ.1242, IMO MSC.1/Circ.1487, SOLAS 74 Reg. X/3, IMO Res. MSC.98(73)-(FSS Code) 9

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

Date of issue: **2026-07-06**

Expiry date: **2031-07-05**

DNV local unit:
Hamburg – CMC
North/East

Approval Engineer:
Heinz Scheffler



for **DNV UK Ltd.**



Digitally Signed By:

Christine Mydlak-Röder

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 2025, 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

Ex-certification is not covered by this certificate. Application in hazardous area to be approved in each case according to the Rules and Ex-Certification/ Special Condition for Safe Use listed in valid Ex-certificate issued by a notified / recognized Certification Body.

Definition of the DNV location classes with reference to relevant standards:

- Temperature D: -25°C to +55°C (ref. IEC 60092-504:2016 table 1 item 6-7)
- Vibration A: For general applications: $\pm 1,0 \text{ mm}/\pm 0.7 \text{ g}$ (ref. IEC 60092-504:2016 table 1 item 10)
- EMC B: Bridge and open deck zone (ref. IEC 60092-504:2016 table 1 item 13-20)
- Humidity B: Damp heat, cyclic (ref. IEC 60092-504:2016 table 1 item 8)
- Enclosure B: PRO L 10 / PRO 10 Pump Room, Machinery spaces, control rooms, accommodation, bridge
- Enclosure C: PRO 10 Open deck (ref. IEC 60092-504:2016 table 1 item 9 and 12)

Regular testing and maintenance: Testing must be carried out in accordance with MSC.1/Circ.1432 and the manufacturer's maintenance instructions.

Type Examination documentation

Please see Appendix: Type Examination Documentation

Tests carried out

- EN 54-3:2014 incl. A1:2019,
- IEC 60092-504:2016,
- IEC 60533:2015.

Marking of product

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

- Manufacturer's name or trade mark
- Type designation
- Mark of Conformity (UK Conformity Mark), followed by
 - identification number of the Approved Body involved in production control (MER D)
 - the year the mark is affixed
 - Example: 0098/2025

APPENDIX

Product Description

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The alarm device family "PRO 10" consists of acoustical devices (PRO 10) and combined acoustical and visual devices (PRO L 10). Both are available for low voltage DC and high voltage AC applications.

Technical Specification PRO 10 / PRO L 10	
General specification	
Max. sound level /	116 dB (A) @1m
Volume control	- 4 dB -10 dB -16 dB - 22 dB - 26 dB -30 dB by DIP switch setting or external control
Tones	80, of which 3 are externally controllable incl. call waveforms of Code on Alerts and Indicators, 2009 Table 7.2
Light source	PRO L 10: LED, Light intensity 23 cd (transparent)
Duty cycle	100 %
Connecting terminals	0.14 - 2.5mm ² fine stranded / AWG24 - AWG 14; 4 mm ² solid / AWG12
Protection category (Enclosure)	IP 66 (EX) / IP 67 The degree of protection and Explosion-protected depends on the cable glands and sealing plugs used.
Operating temperature	- 40 °C to 55 °C
Cable inlet	2x M20 x 1.5
Rated voltage	12 - 48 V DC; 115 - 230 V AC
Housing material / Lens material	Aluminum / PC
Installation attitude	Any (Sound funnel must not face upwards after assembly of the device)

Nomenclature PRO 10 and PRO L 10 Item number: 231 aa bb c ddd		
a Type	50 51	PRO 10: sounder PRO L 10: sounder LED combined device
bb Rated Voltage	63 64	12 - 48V DC 115 - 230V AC
c Visual Signal Color	0 1 2 3 4 5 6 7 8	None – Sounder only Clear White Yellow Orange Red Green Blue RGB
ddd Option / Design	001 038 008 502	Housing RAL3000 (red), Standard Special Tones Ex Certified Special Housing Color
Position ddd can obtain different numbers for fitting variations based on above coded items but no configuration changes are permitted that affect this MED approval!		