

TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MERB000061F
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 Position indicating lights for life-saving appliances: (a) for survival craft and rescue boats

with type designation(s)

Rescue-Master 2B, Rescue-Master 3B and Rescue-Master 12V

Issued to

Daniamant Ltd
Portsmouth, United Kingdom

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

Regulation **MSN 1874 Amendment 6,**

item No. UK/1.2a. SOLAS 74 as amended, Regulation III/4, III/34 & X/3, LSA Code I & IV, 1994 HSC Code 8, 2000 HSC Code 8

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

This Certificate is valid until **2024-10-10**.

Issued at **London** on **2022-12-15**

DNV local unit:
Denmark CMC



for **DNV UK Ltd.**

Approval Engineer:
Marcin Tobiasz

Approved Body No.: **0097**

Christine Mydlak-Röder
MER Service Responsible



**Maritime &
Coastguard
Agency**

UK Approved Body Authorised
by the MCA

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. The product liability rests with the manufacturer or his representative in accordance with the Merchant Shipping (Marine Equipment) Regulations 2016.

This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV UK Ltd. of any changes to the approved equipment. 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. This certificate remains valid unless suspended, withdrawn, re-called, or cancelled.

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 300,000 USD.



Product description

Manually controlled flashing position indication lights for survival craft – Type Rescue-Master 2B, Rescue-Master 3B and Rescue-Master 12V

Application/Limitation

Lights powered by batteries shall be marked with means of determining their age or the date by which they are to be replaced.

The "Rescue Master 12V position indication lamp is to be connected to the craft 12V electrical system. The survival craft is to have a fuel tank capacity for 12 hours operation.

For compliance with SOLAS Regulation III/35 and III/36, fully detailed operations and maintenance manuals shall be supplied with each light.

Type Examination documentation

Technical file doc. No. TF-DK-07, revision 02

Installation and Maintenance Instruction, Rescue-Master 12V 23-714, Issue 05 (C6468).

Installation and

Maintenance Instruction Rescue-Master 2B / Rescue-Master 3B Liferaft Lift, 23-712 Issue 04 (C6495)

Test report No	Title	Date
1445-184090	Light output test (12V)	2002-08-15
117524/m1445-527	Test report, Force Institute	1999-09-06
110984/ m1445-481.b	Temperature cycling test carried out at Force Institute	1999-03-18
123175/m1445-575 rev.1	Temperature cycling test carried out at Force Institute (5.3V)	1999-09-29
F10719	Fire test report, Danish Institute of Fire Technology	1999-04-19
DANAK-KAP724037-1304	Measurement of Chromaticity	1999-05-04
K251078	Vibration test	1999-06-03

Tests carried out

-IMO Resolution MSC.81(70), part 1, as amended by Resolution MSC.226(82), MSC.200 and MSC.323(89)

-IEC 60945:2002 incl. IEC 60945 Corr. 1 (2008)

Marking of product

To be marked with information requested by the LSA Code Paragraph 1.2.2.9 and 1.2.3

- Manufacturer name
- Type identification
- Serial or Lot number
- Date of expiry
- Mark of Conformity

END OF CERTIFICATE