

TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MERB000060G
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: (c) for lifejackets

with type designation(s)
M2, MR2, W2 and WR2

Issued to
Daniamant A/S
Slangerup, Denmark

is found to comply with the requirements in the following Regulations/Standards:
Regulation **MSN 1874 Amendment 6**,
item No. **UK/1.2c. SOLAS 74 as amended, Regulation III/4, III/7, III/22, III/26, III/32, III/34 & X/3, LSA Code, 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

Approval Engineer:
Marcin Tobiasz



Approved Body No.: **0097**

for **DNV UK Ltd.**

Christine Mydlak-Röder
MER Service Responsible



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 This certificate remains valid unless suspended, withdrawn, re-called, or cancelled.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

Position-indication flashing lights for life jackets – Type M2, MR2, W2 and WR2

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.

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

Daniamant Technical file TF-DK-10 (M2), rev.3

Daniamant Technical file TF-DK-11 (MR2), rev.3

Daniamant Technical file TF-DK-12 (W2), rev.3

Daniamant Technical file TF-DK-13 (WR2), rev.3

Installation and Maintenance Instruction for Dan M2 lifejacket light, M2 Instruction Issue 05 (D0575)

Installation and Maintenance Instruction for Dan MR2 lifejacket light, MR2 Instruction Issue 05 (D0575)

Installation and Maintenance Instruction for Dan W2 lifejacket light, W2 Instruction Issue 06 (D0575)

Installation and Maintenance Instruction for Dan WR2 lifejacket light, WR2 Instruction Issue 06 (D0575)

Test reports:

Report No	Title	Date
4-2010	Evaluation and Test Report for Lifejackets lights DAN M2, MR2, W2 and WR2	2010-12-23
12-2010	Evaluation and Test Report for Lifejackets lights DAN M2, MR2, W2 and WR2	2010-12-23
10-14	Re-Test of M2 Lights for Light Output	2010-06-15
F10719	Fire test, Contracted by Force Institute	1999-04-19
117524/ m1445-527	Oil resistance test, Rain and Water Tightness test, carried out at Force Institute	1999-06-09
DANAK-19/13095	Type testing of M2, M3	2013-05-15

Tests carried out

-IMO Resolution MSC.81(70), part 1, as amended by Resolution MSC.200(80), Resolution MSC 226(82) and Resolution MSC.323(89)

-IEC60945:2002 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