

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV GL SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

This is to certify:

That the Position indicating lights for life-saving appliances: (a) for survival craft and rescue boats

with type designation(s)
SL-400

Issued to
Daniamant Ltd
Portsmouth, Hampshire, United Kingdom

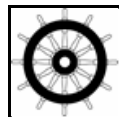
is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2019/1397,**
item No. MED/1.2a. SOLAS 74 as amended, Regulation III/4, III/34 & X/3, LSA Code I & IV,
1994 HSC Code 8, 2000 HSC Code 8

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

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

Issued at **Hamburg** on **2019-10-11**

DNV GL local station:
Denmark CMC



for **DNV GL SE**

Approval Engineer:
Nicolay Horn

Notified Body
No.: **0098**

Gerhard Aulbert
Head of Notified Body

A U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production module certificate (module D, E or F), as allowed by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment", signed February 27th, 2004.

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 GL SE 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.



Job Id: **344.1-009938-1**
Certificate No: **MEDB000061H**

Product description

Manually controlled flashing position indication lights for survival craft – Type SL-400

Application/Limitation

The SL-400 position indication lamp is intended for motorized survival craft and to be connected to the crafts 12V electrical system.

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. TF021, revision 02

Installation and Maintenance Instruction SL-400 survival craft External Light, Doc. No 24-113 Issue 01 (C6645).

Test report No	Title	Date
75934622, Report 01, issue 3	IMO Resolution MSC81(70) testing of SL400 Lifebuoy lights, witnessed byTUV product service Ltd.	2017-07
75934622, Report 02, issue 1	Optical testing of SL400 Lifebuoy lights witnessed by TUV product service Ltd.	2017-05
E10024.00	Vibration test, Nemko Report	2010-01-27
E10091.00	Rain and water tightness test, Nemko Report	2010-04-09
6P06382	Solar radiation test	2016-07-30
6P05666	Fire tests on SL-400	2016-08-09
15702, Issue 2	Moulded growth test	2016-07-21

Tests carried out

-IMO Resolution MSC.81(70), part 1, as amended
-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
- USCG Approval Number: USCG 161.101/EC0098/ MEDB000061H

END OF CERTIFICATE