



## CERTIFICATE OF TYPE APPROVAL

This is to certify that

The product detailed below will be accepted for compliance with the applicable Lloyd's Register Rules and Regulations and with the International Convention for the Safety of Life at Sea, (SOLAS), 1974, as amended, for use on ships and offshore installations classed with Lloyd's Register, and for use on ships and offshore installations when authorised by contracting governments to issue the relevant certificates, licences, permits etc.

**Manufacturer** Daniamant Ltd

**Address** Unit 3 The Admiral Park  
Airport Service Road  
Hilsea, Portsmouth  
Hampshire, PO3 5RQ  
United Kingdom (UK)

**Product Type** SURVIVAL CRAFT EQUIPMENT

**Product Description** Morse Code signalling waterproof electric torch for use in Survival Crafts and Rescue Boat. Type: "ST-250"

**Specified Standards** ISO 18813:2006

**The attached Design Appraisal Document forms part of this certificate.**

**This certificate remains valid unless cancelled or revoked, provided the conditions in the attached Design Appraisal Document are complied with and the equipment remains satisfactory in service.**

Date of issue 2 April 2019

Expiry date 1 April 2024

Certificate No. SAS S190023

Signed

Sheet No 1 of 3

Name

L. Thomas  
Surveyor to Lloyd's Register EMEA  
A Member of the Lloyd's Register Group

**Note:**

**This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify Lloyd's Register of any modification or changes to the equipment in order to obtain a valid certificate.**

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.



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**Lloyd's Register EMEA (Southampton)**

*Marine & Offshore UK&I*

*Lloyd's Register Global Technology Centre, Southampton  
Boldrewood Innovation Campus, Burgess Road, Southampton,  
SO16 7QF*

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**DESIGN APPRAISAL DOCUMENT**

Date 2 April 2019	Quote this reference on all future communications UKITSO/LSA/TA/LT/WP33983552
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**ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS S190023**

The undernoted documents have been appraised for compliance with the relevant requirements of International Conventions, and this Design Appraisal Document forms part of the Certificate.

**EXAMINED DOCUMENTATION**

ST-250 Signalling Torch Specification document 70-SPN-001, dated 21.08.2018

**TEST REPORTS**

Environmental testing document 75943988 Report 01, Issue 01, dated 26.02.19

EMC testing document 75943988 Report 02 Issue 01, dated 03.12.2018

Test for protection against the ingress of water by immersion 75943988 SOT Issue 03, dated 27.11.2018

Test for protection against solid foreign objects, dust tight certificate 18207.01, Issue 1, dated 23.11.2018

**CONDITIONS OF CERTIFICATION**

1. Enclosure Protection Class: IP68
2. The torch is to be supplied with one spare set of batteries and one spare bulb in a moisture resistant container. The container shall be marked with its contents and the expiry date of the batteries (if not visible through the container), and any relevant safety precautions. The storage of this equipment is not part of this Design Appraisal or Certificate. All such arrangement is to be to the satisfaction of the attending Surveyor on board
3. If the specified standards are amended during the validity of this certificate, this product type is to be re-approved prior to it being supplied to vessels to which the amended standards apply
4. Production items are to be manufactured in accordance with a quality control system which shall be maintained to ensure compliance with SOLAS Regulation III/5
5. Production tests are to be conducted in accordance with the applicable requirements of IMO Resolution MSC.81 (70), Part 2 and each item, batch, or lot be delivered with an LR Certificate of SOLAS Production Testing issued by the attending LR Surveyors following their witness of the tests. This does not preclude any further testing to additional requirements of the Marine Administration of the country where the ship is registered (i.e. the flag state) or those acting on behalf of that Administration
6. Should a change of Place of Production from that stated below be required i.e. where the stages of manufacture/assembly/testing of this product take place, the new Place of Production is to be advised to us prior to the change taking place. This Certificate will require to be updated for Approval to be maintained



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**PLACES OF PRODUCTION**

Daniamant Ltd  
Unit 3 The Admiral Park  
Airport Service Road  
Hilsea, Portsmouth  
Hampshire, PO3 5RQ  
United Kingdom (UK)

Daniamant A/S  
Industrivej 24C  
3550 Slangerup  
Denmark



Lijo Thomas  
Senior Specialist  
Fire & Safety, Statutory Discipline Team  
UK&I Technical Support Office, Marine & Offshore  
Lloyd's Register EMEA

**Supplementary Type Approval Terms and Conditions**

*This certificate and Design Appraisal Document relates to type approval, it certifies that the prototype(s) of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein, it does not mean or imply approval for any other use, nor approval of any products designed or manufactured otherwise than in strict conformity with the said prototype(s).*