



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 Limited
Address	Unit 3, The Admiral Park, Airport Service Road, Hilsea, Portsmouth, Hampshire, PO3 5RQ, United Kingdom (UK)
Type	Survival Craft Equipment
Description	Morse Code signalling waterproof electric torch for use in Survival Crafts and Rescue Boat.
Trade Name	ST-250
Specified Standard	ISO 18813:2022

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 EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

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.

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

Lijo Thomas

Fire & Safety - Senior Surveyor to Lloyd's Register EMEA
A member of the Lloyd's Register group

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 '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.



ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. LR2467836SS

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.

This Design Appraisal Document forms part of the Certificate.

This Certificate is a Renewal and an Amendment of Certificate Number SAS S190023-02

APPROVAL DOCUMENTATION

Technical Data Sheet ST-250 / ST-500 Signalling Torch, Document number 70-108 Issue 3 – C7114, dated 23/01/2024.

TEST REPORTS

TUV SUD, Environmental Testing of Signalling Torch Model ST-250 to ISO 18813, Document Number 75943988 Report 01, Issue 01, dated 26/02/2019.

TUV SUD, EMC Testing of Signalling Torch Model ST-250 in accordance with IEC 60945, Document Number 75943988 Report 02 Issue 01, dated 03/12/2018.

Particle Technology Ltd, Protection Against the Ingress of Water by Immersion (IPX8), Test Statement 75943988 SOT 03 Issue 1, dated 27/11/2018.

Particle Technology Ltd, Protection Against Solid Foreign Objects, Dust-Tight, Test 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. 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.
3. 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.
4. 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.
5. 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.
6. Production tests are to be conducted in accordance with the applicable requirements of IMO Resolution MSC.81(70), Part 2, Paragraph 1.2. 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.

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7. 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.

PLACES OF PRODUCTION

Daniamant Limited
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)