Certificate No: LR26280270TA
Issue Date: 17/06/2026
Expiry Date: 23/08/2031

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	**Neuver Maritime AS**
Address	Årsundvegen 24, Brattvåg, 6270, Norway
Place of Production	KONGSBERG MARITIME CHINA (Jiangsu) Co., Ltd 711#,Changjiang Road,Runzhou Industrial, Zone, Zhenjiang, 212001, China
Place of Production	Northern Island Technologies Longvafjordvegen 379, Longva, 6293, Norway
Type	Alarm Indication Unit
Description	Alarm Units: master, slave and interface cards (digital inputs) for signal interfaces to serial communication of Steering Gear Alarms to Navigating Bridge and Engine Room. TYPES Alarm panels with NMEA interface and back light, bridge and machinery space: AS02-0120-021 Interface unit in motor controller: 5260-RRDIO15_402
Trade Name	AS02
Application	Front mounting in panels in marine and offshore applications in environmental categories ENV1, ENV2 and ENV3 as defined in LR Test Specification No.1, July 2024.

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Meghraj Mahar
Specialist Electrical & Control to Lloyd's Register Marine and Offshore India LLP
A member of the Lloyd's Register group

Units 1702-1704, 17th Floor (Level-13), Building Q2, Aurum Q Parc; Gen 4/1 TTC, Thane-Belapur Road, Ghansoli, Navi Mumbai, 400710, India

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Specified Standard IACS requirements E10 Rev. 10: 2024
IEC 60945: 2002 Installation in "Bridge and Deck Zone"

Ratings
Power Supply: 24 VDC
Software: 5250-W1802001-1 Master Panel
5250-W1802001-1 Slave Panel
5250-W1802001-2 Interface Cards

Additional Tests Low Temperature Test: 0°C / 16 hrs

Other Conditions

1. For use on LR classed ships the requirements of redundant installations as per Part 5 Chapter 19 of the Ships Rules shall be complied with.
2. Installation of this equipment for marine applications is to be in accordance with current Lloyd's Register Rules and Regulations.
3. Examination of software aspects is restricted to functional operation as demonstrated in the Performance test.
4. Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.
5. If the specified standards are amended during the validity of this certificate, the product is to be re- approved prior to it being supplied to vessels to which the amended standards apply

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register Marine and Offshore India LLP of any modification or changes to the equipment in order to obtain a valid Certificate.

Previous Version: LR21456712TA

The Design Appraisal Document TSO/25-038647-E-02 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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