Certificate No: LR25352935TA
Issue Date: 16/12/2025
Expiry Date: 15/12/2029

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	**Shanghai Noris-Sibo Automation Co., Ltd**
Address	South 1st Floor, No.8 Building, No.2716, Pingliang Road, Yangpu District, Shanghai, 200090, China
Place of Production	Noris Automation Far East Pte Ltd No. 42 Toh Guan Road East, #01-80 Enterprise Hub, Singapore, 608583, Singapore
Place of Production	Shanghai Noris-Sibo Automation Co., Ltd G/F, No.8 Building South, No.2716 Pingliang Road, Yangpu, Shanghai, China
Type	Alarm And Monitoring Systems
Description	Alarm, Safety & Monitoring System MyNoris-N3500-xxxx
Trade Name	NORIS
Application	Marine application for use in environmental category ENV1, ENV2 equipment in general power distribution zones, as defined in LR Type Approval Test Specification No. 1 July 2024; Software Version: 1.42
Specified Standard	Manufacture’s product specification
Ratings	Power Supply: AC 220 ~240V, 50/60HZ, DC 24 V

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

Meghraj Mahar

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

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The System consists of:
I/O Module:
STM7-IN32; STM7-InOut; STM7-I/V1; STM7-PT100
Safety Module: N3000-SAP
Display: N3521

Other Conditions

1. Installation of this equipment for marine applications is to be in accordance with current Lloyd's Register Rules and Regulations.
2. Examination of software aspects is restricted to functional operation as demonstrated in the Performance test.
3. When emergency stop function or safety critical functions is implemented, the software is to satisfy the requirements of LR's Software Conformity Assessment System - Assessment Module GEN1 (1994). Alternative proposals providing an equivalent level of system integrity will be subject to special consideration, e.g. fully independent hard-wired back-up system, redundancy with design diversity, etc.
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: LR2002789TA

The Design Appraisal Document TSO-24-025899-E-01 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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