Certificate No: LR2002789TA
Issue Date: 16/12/2019
Expiry Date: 15/12/2024

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	G/F, No.8 Building South, No.2716 Pingliang Road, Yangpu, Shanghai, 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 March 2019; Software Version: 1.42
Specified Standard	Manufacture's product specification
Ratings	Power Supply: AC 220 ~240V, 50/60HZ, DC 24 V The System consists of:

Downloaded Copy

Ke Lin Zhang

Senior Specialist to Lloyd's Register
Classification Society (China) Co Ltd
A member of the Lloyd's Register group

19th Floor, 550 Yan An dong Road, Shanghai,
Huangpu District, China

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.

Certificate No: LR2002789TA
Issue Date: 16/12/2019
Expiry Date: 15/12/2024

Type Approval Certificate

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

Other Conditions

1. The system is to be in compliance with the applicable Lloyd's Register Rules and Regulations of Ships when installed on board specific ship and is subject to plan approval on individual cases.
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.

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 Classification Society (China) Co Ltd of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document No. LR2002789TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Downloaded Copy

19th Floor, 550 Yan An dong Road, Shanghai,
Huangpu District, China

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.