



Lloyd's  
Register

## Type Approval Certificate

*This is to certify that the undernoted products have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.*

This certificate is issued to:

**PRODUCER** NORIS Automation GmbH  
Friedrich-Barnewitz-Strasse 10  
18119 Rostock  
Germany

**DESCRIPTION** Remote Control Panel System

**TYPES** NORISYS 4 MP  
NORISYS 4 SP

Consist of the following components:

MP-12L12B	Master Control Panel
MP-TU-23L9B	Master Control Panel Transfer Unit
SP-6L	Extension Panel
SP-4B	Extension Panel
SP-3L3B	Extension Panel
SP-6L6B	Extension Panel
SP-12L12B-LS4	Extension Panel with integrated control lever LS4
SP-12L12B-LT4	Extension Panel with integrated control lever LT4
SP-12L12B-LA4	Extension Panel with integrated control lever LA4
SP-TU-7L2B	Extension Panel Transfer Unit

**APPLICATION** Marine applications for use in environmental categories ENV1, ENV2, ENV3 and ENV5 as defined in Lloyd's Register's Type Approval System, Test Specification Number 1 - 2002.

**ADDITIONAL TESTS** Mechanical shock test: 15g, 11ms  
Number of load planes: 6 ( $\pm X$ ,  $\pm Y$  and  $\pm Z$ )  
Number of shocks per load plane: 3

**Certificate No.** 15/20138

**Issue Date** 04 December 2015

**Expiry Date** 03 December 2020

**Sheet** 1 of 2



Ronny Lehmann  
Hamburg Technical Support Office  
Lloyd's Register EMEA

Lloyd's Register EMEA  
71 Fenchurch Street, London EC3M 4BS

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<b>DESIGN CODE</b>	Manufacturer's specification
<b>OTHER CONDITIONS</b>	Final functional arrangements are to comply with appropriate Lloyd's Register Rules and will be subject of the Plan Approval process, if applicable.

*"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 EMEA of any modification or changes to the equipment in order to obtain a valid certificate."*

*The Design Appraisal Document No. HTS/ETS 32805-15 and its supplementary Type Approval Terms and Conditions form part of this Certificate.*

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<b>Sheet</b>	2 of 2



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