



Marine & Offshore

Certificate number: 33521/B0 BV

File number: AP4501

Product code: 2617H

This certificate is not valid when presented without the full attached schedule composed of 7 sections

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TYPE APPROVAL CERTIFICATE

This certificate is issued to

NORIS Automation GmbH

Rostock - GERMANY

for the type of product

SIGNALING AND CONTROL DEVICES

NORISYS 4 control panels

type: MP-xx and SP-xx

Requirements:

Bureau Veritas Rules for the Classification of Steel Ships

EC Code: 41BS, 31BS

This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.

This certificate will expire on: 09 Sep 2026

For Bureau Veritas Marine & Offshore,

At BV HAMBURG, on 09 Sep 2021,

Dirk Hoepfner



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

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BV Mod. Ad.E 530 June 2017

This certificate consists of 3 page(s)

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

The **NORISYS 4 MP-xx** and **SP-xx** series are configurable master and slave control panels for mounting into a desk or console.

1.1 - Main characteristics:

Power supply: 24V DC
 Communication: 1x RS-232; 1x RS-422/485; 1x RS-485; 2x CAN (for master panels only)
 2x RS-485 (for SP-12L12B-Lx4 panels only)
 1x RS-485 (for other slave panels)
 Inputs / Outputs: 4x DI; 4x DO; 2x PWM out; 4x AO (for master panels only)
 2x PWM out (for SP-12L12B-Lx4 panels only)
 1x PWM out (for other slave panels)
 Degree of protection: IP56 (front); IP30 (rear)

1.2 - Variants:

Type	Description	SW-Vers.
MP-TU-23L9B	Master panel; 23 lamps, 9 buttons; transfer unit	1.15.00
MP-12L12B	Master panel; 12 lamps, 12 buttons	1.15.00
SP-12L12B-Lx4*	Slave panel; 12 lamps, 12 buttons; with control lever	1.05.01
SP-TU-7L2B	Slave panel; 7 lamps, 2 buttons; transfer unit	1.05.01
SP-6L6B	Slave panel; 6 lamps, 6 buttons	1.05.01
SP-6L	Slave panel; 6 lamps	1.05.01
SP-4B	Slave panel; 4 push buttons	1.05.01
SP-3L3B	Slave panel; 3 lamps, 3 buttons	1.05.01

* with control levers of type: LA4, LS4 or LT4 series

2. DOCUMENTS AND DRAWINGS:

- 092.008.03.100.B; 092.008.03.101.B; 092.008.03.103.B; 092.008.03.109.B; 092.008.03.124.A; 092.008.03.125.A;
 - 092.008.03.127.A; 092.008.03.128.A; 092.008.03.129.A; 092.008.03.130.A; 092.008.03.131.A; 092.008.03.132.A;
 - 092.008.03.133.A; 092.008.03.134.A; 092.008.03.135.A; 092.008.03.136.A; 092.008.03.137.A; 092.008.03.138.A;
 - 092.008.03.139.A; 092.008.03.140.A; 092.008.03.141.A; 092.008.03.145.A; 092.008.03.153.A; 092.008.03.267.A;
 - 092.022.03.100.B; 092.022.03.104.A;
 - NAR-KD-0104-1-en V.1.36 dated 29.04.2014; NAR-PD-0104-10-en V.1.01 dated 27.11.2013; NAR-RaD-0002-1-de V.1.01;
 For B0 version
 - 092.008.03.103.C; 092.008.03.400.B; 092.022.03.100.B; 092.022.03.400.A; 092.022.03.104.A; 092.022.03.401.A;
 - 092.008.03.100.C; 092.008.03.130.B; 092.008.03.266.A; 092.008.03.401.B; 092.008.03.408.B
 - 092.008.03.109.C; 092.008.03.125.B; 092.008.03.128.B; 092.008.03.129.A; 092.008.03.402.B; 092.008.03.406.B;
 - 092.008.03.409.B; 092.008.03.410.A; 092.008.03.101.B; 092.008.03.407.A; 092.008.03.124.A; 092.008.03.131.A;
 - 092.008.03.132.A; 092.008.03.403.A; 092.008.03.412.A; 092.008.03.413.A; 092.008.03.127.A; 092.008.03.140.A;
 - 092.008.03.141.A; 092.008.03.153.A; 092.008.03.404.A; 092.008.03.415.A; 092.008.03.422.A; 092.008.03.427.A;
 - 092.008.03.133.A; 092.008.03.134.A; 092.008.03.135.A; 092.008.03.136.A; 092.008.03.145.A; 092.008.03.405.A;
 - 092.008.03.416.A; 092.008.03.421.A; 092.008.03.423.A; 092.008.03.426.A; 092.008.03.137.A; 092.008.03.138.A;
 - 092.008.03.139.A; 092.008.03.417.A; 092.008.03.419.A; 092.008.03.424.A;
 - 10100904 Ver.03; 10116310 Ver.03; 10100915 Ver.04; 10126808 Ver.00; 10126786 Ver.01; 10126764 Ver.02;
 - 10116332 Ver.03; 10126742 Ver.2; 10126830 Ver.01; NAR-KD-0104-1-en V.1.42 dated 28.09.2018;
 - NAR-PD-0104-51-en V.1.00 dated 05/09/019; NAR-PD-0104-52-en V.1.00 dated 05/09/019

3. TEST REPORTS:

- Noris Automation GmbH: NAR-PB-0104-1-en Ver. 1.05 dated 2014-05-05;
 NAR-PB-0104-2-en Ver. 1.03 dated 2014-05-05; Salt Mist FSP 2013_11_25_09_51_10
 - TREO Labor für Umweltsimulation GmbH: 037-13 Ver. 2 dated April 29,2014; 038-13 Ver. 3 dated April 29,2014;
 039-13 Ver. 2 dated April 29,2014; 040-13 Ver. 3 dated April 30,2014; 041-13 Ver. 2 dated April 29,2014;
 042-13 Ver. 5 dated April 30,2014; 043-13 Ver. 5 dated April 30,2014; 044-13 Ver. 2 dated June 13, 2013;
 067-13 Ver. 2 dated June 24, 2013; 255-13 dated November 13, 2013; 288-13 dated March 7, 2014
 - Teseq GmbH: D/13/4085/01 dated 2013-06-21; D/13/4085/02 dated 2013-06-21;
 D/13/4085/03 dated 2013-06-21; D/13/4085/04 dated 2013-06-21; D/13/4085/05 dated 2013-06-21;
 D/13/4085/06 dated 2013-06-21; D/13/4085/07 dated 2013-06-21; D/13/4085/08 dated 2013-06-21
 - TÜV Rheinland: 21207886 001 dated 19.11.2013;
 For B0 version:
 - AMETEK CTS Europe GmbH: D/20/4787/01 dated 2021-02-03; D/20/4787/02 dated 2021-02-03;
 D/20/4788/01 dated 2021-02-03; D/20/4788/02 dated 2021-02-03

4. APPLICATION/LIMITATION:

4.1 - Bureau Veritas Rules and Regulations for the Classification of Steel Ships

4.2 - Approval valid for ships intended to be granted with the following additional class notations: **AUT-UMS, AUT-CCS, AUT-PORT and AUT-IMS.**

4.3 - Bureau Veritas Environmental Category, **EC Code: 4IBS, 3IBS**

4.4 - Equipment covered by this Type Approval certificate has been tested according to requirements of IACS UR E10 rev7

4.5 - In accordance with IACS UR E22 and as applicable to programmable devices for computer based systems of Category II or III, for each ship application:

- Ship specific documentation is to be submitted including software documentation and categorization of the computer based system.

- Inspection and testing before installation onboard is to be performed under the surveillance of the Society.

4.6 - Only Hardware and Firmware / Software successfully tested together in compliance with the regulations as referred to in page one, according to the declaration of the manufacturer is covered by this certificate.

5. PRODUCTION SURVEY REQUIREMENTS:

5.1 - The above mentioned products are to be supplied by **Noris Automation GmbH** in compliance with the type described in this certificate.

5.2 - This type of product is within the category HBV of Bureau Veritas Rule Note NR320 and as such does not require a BV product certificate.

5.3 - **Noris Automation GmbH** has to make the necessary arrangements to have its works recognised by Bureau Veritas in compliance with the requirements of NR320 for HBV products:

Noris Automation GmbH
Friedrich Barnewitz Strasse 10
18119 Rostock
GERMANY

6. MARKING OF PRODUCT:

- Maker's name or trademark.

- Equipment type or model identification.

- Date of manufacture and/or serial number.

7. OTHERS:

7.1 - It is the responsibility of **Noris Automation GmbH** to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.

7.2 - This certificate supersedes the type approval certificate N° 33521/A0 issued on 23 May 2014

*** END OF CERTIFICATE ***