



Marine & Offshore

Certificate number: 26523/C0 BV

File number: AP4249

Product code: 3844H

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

Nürnberg - GERMANY

for the type of product

TEMPERATURE SWITCH

RH41-M

Requirements:

Bureau Veritas Rules for the Classification of Steel Ships

EC Code: 33

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: 23 Jun 2027

For Bureau Veritas Marine & Offshore,

At BV HAMBURG, on 23 Jun 2022,

Dirk Hoepfner

This certificate was created electronically and is valid without signature



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 2 page(s)

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

The temperature switch **RH41-M** is an adjustable switch for external NTC resistors for the installation on a mounting rail.

Main Characteristics:

Power Supply: 24V DC
 Output: 1x NO
 Switching Capacity: 30V DC; 1A
 Setting range: 40°C...120°C
 Degree of protection: IP 20 (housing), IP00 (contacts)

2. DOCUMENTS AND DRAWINGS:

- TS207-2 dated 31.05.07; SA453-1 dated 25.05.2007; SA453-1G dated 25.05.2007; SA453-1R dated 25.05.2007
 - SL738-1 dated 05.09.2007; SL738-1-FB dated 05.09.2007; SL738-1-EF dated 05.09.2007
 - 64.411.21 rev. a dated 05.12.07; HG-RH41M rev. a dated 08.10.07; SL744-2 dated 12.09.2007

3. TEST REPORTS:

- Noris: Bmp 07-002 dated 09 Oktober 2007; EMVBmp 07-002 dated 24 May 2007; ITBmp 07-002 dated 09 Oktober 2007; TTBmp 07-002 dated 16 April 2007; VTBmp 07-002 dated 04 June 2007
 - LGA QualiTest GmbH: 27 1144 FiP1 dated 14 Juni 2007; E4.213 dated 10 Juli 2007
 For C0 version:
 - 2022-0009-EMC-TR-22-0020-V01 dated 21.02.22

4. APPLICATION/LIMITATION:

4.1 - Bureau Veritas Rules 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: 33**
 4.4 - The equipment fulfils the EMC requirements for installation on the Bridge and Deck Zone.
 4.5 - Equipment covered by this Type Approval certificate has been tested according to requirements of IACS UR E10 rev7.

5. PRODUCTION SURVEY REQUIREMENTS:

5.1 - The above mentioned product is 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
Muggenhofer Straße 95
90429 Nürnberg
GERMANY

6. MARKING OF PRODUCT:

- Maker's name or trademark
 - Date of manufacture and/or serial number
 - Equipment type or model identification under which it was type-tested

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 No. 26523/B0 issued on 11 Nov 2016 by the society.

*** END OF CERTIFICATE ***