



Marine & Offshore

Certificate number: 27804/C0 BV

File number: AP4284

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

Endress & Hauser Wetzer GmbH & Co. KG
Nesselwang - GERMANY

for the type of product

SIGNALING AND CONTROL DEVICES

Field Display Unit
RIA14

Requirements:

Bureau Veritas Rules for the Classification of Steel Ships
EC Code: 31

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: 08 Nov 2027

For Bureau Veritas Marine & Offshore,

At BV HAMBURG, on 08 Nov 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 3 page(s)

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

RIA14 is a field display unit with a digital limit switch.

Main characteristics:

Power Supply/Input: 4 to 20mA, loop powered
 Output: Digital limit switch, passive, open collector
 Human Interface: LC display, illuminated with 5-digits, trend bargraph and further characters
 3-keys and USB interface for configuration inside of housing
 Housing: Stainless steel or aluminium
 Cable entry: Thread or gland
 Degree of protection: IP67
 Installation: Wall mounting
 Software version: V1.00.xx

Variants:

Type: RIA14 **aa b c**

aa = Approval: Non Ex- or Ex-approvals

b = Housing: 3, 4

c = Cable entry: B, C, D

2. DOCUMENTS AND DRAWINGS:

- Assembly drawings: 02 15 00 000, 12 07 00 000
 - KEMA 04 ATEX 2307 issue 2, KEMA 08ATEX0023 issue 2, IECEx KEM 10.0012 issue 0
 For C0 version:
 - TII43R/09/en/04.14

3. TEST REPORTS:

- Intertek: 2213171KAU-001 dated 2010-08-12; 2213171KAU-001a dated 2010-09-07
 - Paconsult: 0722B-05 dated June 06, 2005
 For C0 version:
 - Endress + Hauser: EMC2021PCF0017 dated 2021-07-23

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 - The equipment fulfils the EMC requirements for installation in General Power Distribution Zone and Deck Zone.
 4.4 - Bureau Veritas Environmental Category, **EC Code: 31**
 4.5 - Equipment covered by this Type Approval certificate has been tested according to requirements of IACS UR E10 rev8.
 4.6 - The installation shall comply with the Manufacturer's recommendation described in the above-referenced documentation.

5. PRODUCTION SURVEY REQUIREMENTS:

5.1 - The **Display Unit RIA14** is to be supplied by **Endress + Hauser Wetzer GmbH & Co. KG** 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 - **Endress + Hauser Wetzer GmbH & Co. KG** has to make the necessary arrangements to have its works recognised by Bureau Veritas in compliance with the requirements of NR320 for HBV products.

Endress + Hauser Wetzer GmbH & Co. KG
Oberer Wang 1
87484 Nesselwang
GERMANY

6. MARKING OF PRODUCT:

- Maker's name or trademark
 - Date of manufacture and/or serial number
 - Equipment type or model identification
 - Ex marking, if relevant

7. OTHERS:

7.1 - It is the responsibility of **Endress + Hauser Wetzer GmbH & Co. KG** 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° 27804/B0 BV issued on 30 Jan 2018 by the Society.

*** END OF CERTIFICATE ***