



Marine & Offshore

Certificate number: 40216/C0 BV

File number: AP4600

Product code: 2643H

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
Weidmüller Interface GmbH & Co. KG
 Detmold - GERMANY

for the type of product
CONTROL AUXILIARIES
 MAS DC/DC select and
 MAZ DC/DC select

Requirements:

Bureau Veritas Rules for the Classification of Steel Ships and Offshore Units
 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: 09 Jul 2030

For Bureau Veritas Marine & Offshore,
 At BV HAMBURG, on 09 Jul 2025,
 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.

The electronic version is available at: <https://www.veristarpm.com/veristarnb/jsp/viewPublicPdfTypec.jsp?id=hntjgkhvrs>
 BV Mod. Ad.E 530 June 2017

This certificate consists of 2 page(s)

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

The **MAS DC/DC select** and **MAZ DC/DC select** are DC signal galvanic isolating converters for DIN-Rail mounting.

Technical characteristics:

Order no.: 8594810000 MAS DC/DC select (with screw connection)
 8594840000 MAZ DC/DC select (with push in connection)

Power supply: 24V DC

Input: 1x AI (0/4..20mA, 0..10V)

Output: 1x AO (0/4..20mA, 0..10V)

2. DOCUMENTS AND DRAWINGS:

- Data sheet: 8594810000 dated 23.01.2015; 8594840000 dated 15.08.2014;
- 253.301-0002 Rev. 3 dated 22.05.06; PR-252.301-0012 Rev. 1.00 dated 27.03.2002

3. TEST REPORTS:

- RS Schwarze Elektrotechnik Moderne Industrieelektronik GmbH: 2014139 dated 03.09.2014
- Weidmüller Interface GmbH & Co. KG: LAB18676 dated 2014-09-03; LAB18687 dated 2014-09-05;
 LAB18762 dated 2014-11-18; LAB18765 dated 06.11.2014

For C0 version:

- Weidmüller Interface GmbH & Co. KG: LAB25304E dated 2025-03-11

4. APPLICATION/LIMITATION:

- 4.1 - Bureau Veritas Rules for the Classification of Steel Ships and Offshore Units
- 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: 31**
- 4.4- Equipment covered by this Type Approval certificate has been tested according to requirements of IACS UR E10 rev.9

5. PRODUCTION SURVEY REQUIREMENTS:

- 5.1 - The above mentioned products are to be supplied by **Weidmüller Interface 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 - **Weidmüller Interface GmbH & Co. KG** has to make the necessary arrangements to have its works recognized by Bureau Veritas in compliance with the requirements of NR320 for HBV products.
- 5.4 - For information, **Weidmüller Interface GmbH & Co. KG** has declared to Bureau Veritas the following production site:

Zollner Elektronik AG
Hauptwerk Zandt
Industriestraße 2-14
39499 Zandt
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 **Weidmüller Interface 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° 40216/B0 BV issued on 22 May 2020 by the Society.

*** END OF CERTIFICATE ***