



Certificate number: 65011/B0 BV

File number: AP4951

Product code: 2670H

*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

POWER SUPPLY UNITS

PRO DCDC 120W 24V 5A, PRO DCDC 240W 24V 10A, PRO DCDC 480W 24V 20A

Requirements:

Bureau Veritas Rules for the Classification of Steel Ships

EC Code: 31B, 41B

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: 20 Feb 2031

For Bureau Veritas Marine & Offshore,

At BV HAMBURG, on 20 Feb 2026,

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 SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION :

The **PRO DCDC** series are built-in converters, for Marine applications.

1.1 - Types:

Type	PRO DCDC 120W 24V 5A	PRO DCDC 240W 24V 10A	PRO DCDC 480W 24V 20A
Nominal input voltage:	24VDC		
Input voltage range:	18...32VDC/14...32VDC		
Current consumption:	7.5A at 18VDC/ 5.5A at 24VDC	15A at 18VDC/ 11A at 24VDC	29A at 18VDC/ 22A at 24VDC
Nominal output voltage:	24VDC \pm 1%		
Nominal output current:	5A at 24VDC	10A at 24VDC	20A at 24VDC
Degree of protection:	IP20		

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: 31B, 41B**

4.4 - Derating curve for temperatures in excess of 60°C to be considered.

4.5 - Equipment covered by this Type Approval certificate has been tested according to requirements of IACS UR E10 rev. 8.

5. PRODUCTION SURVEY REQUIREMENTS :

5.1 - The **PRO DCDC** series 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 recognised 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 sites:

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° 65011/A2 BV issued on 24 Nov 2022 by the Society.

***** END OF CERTIFICATE *****