



Certificate number: 57060/B0 BV

File number: AP4916

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

Phoenix Contact GmbH & Co. KG

Blomberg - GERMANY

for the type of product

POWER SUPPLY UNITS

QUINT4-PS DC/DC converter

Requirements:

Bureau Veritas Rules for the Classification of Steel Ships

EC Code: 32B, 42B

FOR information only

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: 02 Dec 2030

For Bureau Veritas Marine & Offshore,

At BV HAMBURG, on 02 Dec 2025

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 **QUINT4-PS** series are primary-switched power supply units for DIN rail mounting.

A NFC interface for adaptive configuration is implemented. The units can be configured with customer specific parameterizations such as output current limitation, voltage adjustment or signaling.

The units can be configured or directly delivered with customer specific parameterizations such as output current limitation, voltage adjustment, signalling and output characteristic identified behind the type designation.

Article No.	Designation	Input Voltage	Output Voltage	Output Current
2910124 1046859	QUINT4-PS/12DC/24DC/5/PT QUINT4-PS/12DC/24DC/5/SC	12V DC	24V DC	5A
2910119 2910132 1046800 1046872	QUINT4-PS/24DC/24DC/5/PT QUINT4-PS/24DC/24DC/5/PT/CO QUINT4-PS/24DC/24DC/5/SC QUINT4-PS/24DC/24DC/5/SC/CO	24VDC	24VDC	5A
1046803 2910133 2910120 1046880	QUINT4-PS/24DC/24DC/10/PT QUINT4-PS/24DC/24DC/10/PT/CO QUINT4-PS/24DC/24DC/10/SC QUINT4-PS/24DC/24DC/10/SC/CO	24VDC	24VDC	10A
2910134 1046881 2910121 1046805	QUINT4-PS/24DC/24DC/20/PT/+ QUINT4-PS/24DC/24DC/20/SC/+ QUINT4-PS/24DC/24DC/20/PT QUINT4-PS/24DC/24DC/20/SC	24V DC	24V DC	20A
2910122 1046806	QUINT4-PS/24DC/12DC/8/PT QUINT4-PS/24DC/12DC/8/SC	24VDC	12VDC	8A
2910123 1046855	QUINT4-PS/24DC/48DC/5/PT QUINT4-PS/24DC/48DC/5/SC	24V DC	48V DC	5A
2910128 1046867	QUINT4-PS/48DC/48DC/5/PT QUINT4-PS/48DC/48DC/5/SC	48V DC	48V DC	5A
2910125 1046860	QUINT4-PS/48DC/24DC/5/PT QUINT4-PS/48DC/24DC/5/SC	48VDC	24VDC	5A

SC: Screw connection; PT: Push-in connection

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: 42B, 32B**

4.4 - Equipment covered by this Type Approval certificate has been tested according to requirements of IACS UR E10 rev9.

4.5 - > 60°C Derating: 2,5%/K

*** END OF CERTIFICATE ***