DNV·GL

Certificate No:
TAE00003EV

TYPE APPROVAL CERTIFICATE

This is to certify:

That the UPS

with type designation(s)
CP DC UPS 24V 20A/10A, CP DC UPS 24V 40A, CP M SNT3 500W 24V 20A
PRO MAX 480W 24V 20A, CP A Battery 24V DC 1.3Ah / 3.4Ah / 7.2Ah / 12Ah, CP M DM20

Issued to
Weidmüller Interface GmbH & Co. KG
Detmold, Germany

is found to comply with
DNV GL rules for classification – Ships, offshore units, and high speed and light craft

Application :

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

Issued at **Hamburg** on **2019-04-08**
This Certificate is valid until **2024-03-06**.
DNV GL local station: **Magdeburg**

Approval Engineer: **Harald Amberger**

for **DNV GL**

Arne Schaarmann
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

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Product description

UPS control unit

CP DC UPS 24V 20A/10A
- Nominal input voltage: 24 VDC
- Nominal output voltage: 24 VDC
- Nominal output current (@ 60°C): 10 A / 20A
- Revision VS0.4A

CP DC UPS 24V 40A
- Nominal input voltage: 24 VDC
- Nominal output voltage: 24 VDC
- Nominal output current (@ 60°C): 40 A
- Revision VS0.4A

Battery module

CP A Battery 24V DC 1.3Ah
- VRLA technology, nominal voltage 24 VDC, nominal capacity 1.3Ah
- Revision / Assembly Description Battery Pack V2.8

CP A Battery 24V DC 3.4Ah
- VRLA technology, nominal voltage 24 VDC, nominal capacity 3.4Ah
- Revision / Assembly Description Battery Pack V2.8

CP A Battery 24V DC 7.2Ah
- VRLA technology, nominal voltage 24 VDC, nominal capacity 7.2Ah
- Revision / Assembly Description Battery Pack V2.8

CP A Battery 24V DC 12Ah
- VRLA technology, nominal voltage 24 VDC, nominal capacity 12Ah
- Revision / Assembly Description Battery Pack V2.8

Power Supply

CP M SNT3 500W 24V 20A
- Nominal input voltage: 3 x 400 … 3 x 500 VAC, Input voltage range: 3 x 320 … 3 x 575 VAC
- Nominal output voltage: 24 VDC +/-1% (adjustable 22.5 … 29.5 VDC)
- Nominal output current: 20A @ 60°C
- Revision JV0.6A

PRO MAX 480W 24V 20A (Rev. 01) [See also DNV GL Certificate no. 14076-15HH]
- Nominal input voltage (Wide-range Input): 100…240V AC
- Nominal output voltage: 24V DC
- Nominal output current: 20A @60°C, 15A @70°C

Diode Module

CP M DM20 [See also DNV GL Certificate no. 94767-10HH]
- Input voltage: 24V DC SELV
- Nominal output current: 20A
- Integrated alarm relay

Application/Limitation

Location Classes:
UPS control unit, Power supply, Diode module
Temperature: B (Cold test with -15°C/16h), Humidity: A, Vibration: A, EMC: B

Batterie module
Temperature: A (Cold test with -15°C/16h), Humidity: A, Vibration: A, EMC: B

The UPS control units are intended for use with Weidmüller power supplies, e.g. PRO-M series or equivalent approved by DNV GL power supplies. A direct operation on 24 V DC networks is not permitted. The indications in the operating instructions for safe operation by DNV GL are to be observed

Operating instruction of the manufacturer to be observed

Type Approval documentation

Tests carried out

IEC 60945:2002+Cor. 2008, Cold, dry heat, damp heat, vibration, flame retardancy and EMC.

Marking of product

Weidmüller - Type designation - Main data.

Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the Type approval are complied with and that no alterations are made to the product design or choice of materials.

The main elements of the assessment are:

- Inspection on factory samples, selected at random from the production line (where practicable)
- Results from Routine Tests (RT) checked (if not available tests according to RT to be carried out)
- Review of type approval documentation
- Review of possible change in design, materials and performance
- Ensuring traceability between manufacturer's product type marking and Type Approval Certificate.

Periodical assessment is to be performed after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate.

END OF CERTIFICATE