TYPE APPROVAL CERTIFICATE

Certificate no.:
TAA00000TT
Revision No:
10

This is to certify:

that the DC Power Supply

with type designation(s)
PRO MAX Series, PRO RM Series

issued to
Weidmüller Interface GmbH & Co. KG
Detmold, **Germany**

is found to comply with
DNV 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.

Location classes:

Type	Temperature	Humidity	Vibration	EMC	Enclosure
PRO MAX Series	B	B	A	B	A
PRO RM Series	D	B	A	B	A

Issued at **Hamburg** on **2025-11-12**
This Certificate is valid until **2030-11-11**.
DNV local unit: **Essen**

for **DNV**

Approval Engineer: **Dariusz Lesniewski**

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.

Product description

DIN Rail Power Supplies with the following types:

PRO MAX 480W 24V 20A (Rev. 01)
Nominal input voltage (Wide-range input): 100…240V AC
Voltage range: 85…277V AC
Frequency range: 45…65Hz
Nominal output voltage: 24V DC
Nominal output current: 20A @60°C, 15A @70°C

PRO MAX 480W 48V 10A (Rev. 01)
Nominal input voltage (wide-range input): 100…240V AC
Voltage range: 85…277V AC
Frequency range: 45…65Hz
Nominal output voltage: 48V DC
Nominal output current: 10A @60°C, 7.5A @70°C

PRO MAX3 480W 24V 20A (Rev. 01)
Nominal input voltage (wide-range input): 3x400…3x500V AC
Voltage range: 3x320…3x575V AC
Frequency range: 45…65Hz
Nominal output voltage: 24V DC
Nominal output current: 20A @60°C, 15A @70°C

PRO MAX 960W 24V 40A (Rev. 01)
Nominal input voltage (Wide-range input): 100…240V AC
Voltage range: 85…277V AC
Frequency range: 45…65Hz
Nominal output voltage: 24V DC
Nominal output current: 40A @60°C, 30A @70°C

PRO MAX 960W 48V 20A (Rev. 01)
Nominal input voltage (Wide-range input): 100…240V AC
Voltage range: 85…277V AC
Frequency range: 45…65Hz
Nominal output voltage: 48V DC
Nominal output current: 20A @60°C, 15A @70°C

PRO MAX3 960W 24V 40A (Rev. 01)
Nominal input voltage (wide-range input): 3x400…3x500V AC
Voltage range: 3x320…3x575V AC
Frequency range: 45…65Hz
Nominal output voltage: 24V DC
Nominal output current: 40A @60°C, 30A@70°C

PRO MAX3 240W 24V 10A (Rev. 01)
Nominal input voltage (wide-range input): 3x400…3x500V AC
Voltage range: 3x320…3x575V AC
Frequency range: 45…65Hz
Nominal output voltage: 24V DC
Nominal output current: 10A @60°C, 7.5A @70°C

PRO MAX3 120W 24V 5A (Rev. 02)
Nominal input voltage (wide-range input): 3x400…3x500V AC
Voltage range: 3x320…3x575V AC
Frequency range: 45…65Hz
Nominal output voltage: 24V DC
Nominal output current: 5A @60°C, 3.75A @70°C

PRO MAX 70W 5V 14A (Rev. 02)
Nominal input voltage (Wide-range input): 100…240V AC
Voltage range: 85…277V AC
Frequency range: 45…65Hz
Nominal output voltage: 5V DC
Nominal output current: 14A @60°C, 10.5A @70°C

PRO MAX 72W 12V 6A (Rev. 02)
Nominal input voltage (Wide-range input): 100…240V AC
Voltage range: 85…277V AC
Frequency range: 45…65Hz
Nominal output voltage: 12V DC
Nominal output current: 6A @60°C, 4.5A @70°C

PRO MAX 72W 24V 3A (Rev. 02)
Nominal input voltage (Wide-range input): 100…240V AC
Voltage range: 85…277V AC
Frequency range: 45…65Hz
Nominal output voltage: 24V DC
Nominal output current: 3A @60°C, 2.25A @70°C

PRO MAX 120W 12V 10A (Rev. 02)
Nominal input voltage (Wide-range input): 100…240V AC
Voltage range: 85…277V AC
Frequency range: 45…65Hz
Nominal output voltage: 12V DC
Nominal output current: 10A @60°C, 7.5A @70°C

PRO MAX 120W 24V 5A (Rev. 02)
Nominal input voltage (Wide-range input): 100…240V AC
Voltage range: 85…277V AC
Frequency range: 45…65Hz
Nominal output voltage: 24V DC
Nominal output current: 5A @60°C, 3.75A @70°C

PRO MAX 180W 24V 7.5A (Rev. 01)
Nominal input voltage (Wide-range input): 100…240V AC
Voltage range: 85…277V AC
Frequency range: 45…65Hz
Nominal output voltage: 24V DC
Nominal output current: 7.5A @60°C, 5.625A @70°C

PRO MAX 240W 24V 10A (Rev. 01)
Nominal input voltage (Wide-range input): 100…240V AC
Voltage range: 85…277V AC
Frequency range: 45…65Hz
Nominal output voltage: 24V DC
Nominal output current: 10A @60°C, 7.5A @70°C

PRO MAX 240W 48V 5A (Rev. 01)
Nominal input voltage (Wide-range input): 100…240V AC
Voltage range: 85…277V AC
Frequency range: 45…65Hz
Nominal output voltage: 48V DC
Nominal output current: 5A @60°C, 3.75A @70°C

LED indicator: LED green/red-operation
Fastening: DIN-Rail mounting TS35
Housing material: Metal
Output voltage (depending on the type):
5V DC +/-1% (adjustable 4.5…7V DC),
12V DC +/-1% (adjustable 10…15V DC),
24V DC +/-1% (adjustable 22.5…29.5V DC),
48V DC +/-1% (adjustable 30…56V DC)

Accessories
CP M CAP: Capacity module (input voltage=24VDC SELV, integrated alarm relay)

Power Supply Redundancy Modules PRO RM 10, PRO RM 20, PRO RM 40

Type:		PRO RM 10	PRO RM 20	PRO RM 40
Rated input voltage		24V DC	24V DC	24V DC
Output voltage range		Vin - 0.2V	Vin - 0.2V	Vin - 0.3V
Max. output current		24A	48A	96A
Rated output current		20A	40A	80A
Operating temperature	-25 … +60°C	100% loading	100% loading	100% loading
	+60 … +70°C	75% loading	75% loading	75% loading

Approval conditions
The Type Approval covers hardware listed under Product description.
When the hardware is used in applications to be classed by DNV, documentation for the actual application is to be submitted for approval by the manufacturer of the application system in each case.
Reference is made to DNV RU SHIP Pt.4 Ch.9 Sec. 1.

Application / Limitations
The accessories are intended for use with Weidmüller power supplies, e.g. PRO MAX or PRO TOP series or equivalent power supplies approved by DNV.

Type Approval documentation

Tests carried out
Applicable tests according to class guideline DNV-CG-0339, August 2021.

Marking of product
The products to be marked with:
- manufacturer name
- device name/type
- serial number
- revision

Periodical assessment
The scope of the periodical assessment is to verify that the conditions stipulated for the type are complied with, and that no alterations are made to the product design or choice of systems, software versions, components and/or materials.

The main elements of the assessment are:
- Ensure that type approved documentation is available
- Inspection of factory samples, selected at random from the production line (where practicable)
- Review of production and inspection routines, including test records from product sample tests and control routines
- Ensuring that systems, software versions, components and/or materials used comply with type approved documents and/or referenced system, software, component and material specifications
- Review of possible changes in design of systems, software versions, components, materials and/or performance, and make sure that such changes do not affect the type approval given
- Ensuring traceability between manufacturer’s product type marking and the 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