



CERTIFICATE NUMBER  
EFFECTIVE DATE  
EXPIRY DATE  
ABS TECHNICAL OFFICE

26-0530573-PDA  
24-Feb-2026  
23-Feb-2031  
Hamburg Engineering Department

## CERTIFICATE OF Product Design Assessment

This is to certify that a representative of this Bureau did, at the request of

**WEIDMUELLER INTERFACE GMBH & CO. KG**

located at

**KLINGENBERGSTRASSE 26, , D-32758 DETMOLD, Germany**

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate.

**Product:** Power Supply Unit  
**Model:** PRO TOP1, PRO TOP2, PRO TOP3, PRO TOPDC  
**Endorsements:**  
**Tier:** 2 - PDA Issued

This Product Design Assessment (PDA) Certificate remains valid until 23/Feb/2031 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

American Bureau Of Shipping

*Efstratios Maliatsos*  
Efstratios Maliatsos, Engineer/Consultant

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned product without approval from ABS will result in this certificate becoming null and void. This certificate is governed by ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010)

**WEIDMUELLER INTERFACE GMBH & CO. KG**

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**Product:** Power Supply Unit  
**Model:** PRO TOP1, PRO TOP2, PRO TOP3, PRO TOPDC  
**Endorsements:**

**Intended Service:**  
Power supply units for installation in consoles and cabinets.

**Description:**  
Following supply units with input ranges and versions are covered by the certificate:

**PRO TOP1 (HW VERSION / SW VERSION)**

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PRO TOP1 72W 24V 3A, F, CO (02. x. 00 / 02. 00. x)  
PRO TOP1 120W 12V 10A, F, EX (02. x. 00 / 02. 00. x)  
PRO TOP1 120W 24V 5A, F, EX (02. x. 00 / 02. 00. x)  
PRO TOP1 240W 24V 10A, F, EX (02. x. 00 / 02. 00. x)  
PRO TOP1 480W 24V 20A, EX (02. x. 00 / 02. 00. x)  
PRO TOP1 480W 48V 10A, EX (02. x. 00 / 02. 00. x)  
PRO TOP1 960W 24V 40A, EX (03. x. 00 / 02. 00. x)  
PRO TOP1 960W 48V 20A, CO (03. x. 00 / 02. 00. x)

Standard version, Flange Connection (F), Coated version (CO),  
Certified safe type (EX) ref. certificates TPS 18 ATEX 033299 0431, TPS 18 ATEX 033299 0432, IECEx TPS 18. 0009X, IECEx TPS 19. 0020X, IECEx TPS 19. 0006X, IECEx TPS 19. 0007X  
IECEX: Ex ec nC IIC T4 Gc; Increased safety "e", Type of protection "n"  
ATEX: II 3G Ex ec nC IIC T4 Gc

**PRO TOP2 (HW VERSION / SW VERSION)**

-----  
PRO TOP2 120W 24V 5A UW, EX (01. x. 00\* / 01. 00. x)  
PRO TOP2 240W 24V 10A UW, EX (01. x. 00\* / 01. 00. x)  
PRO TOP2 240W 48V 5A UW (01. x. 00\* / 01. 00. x)  
\* ... x>=3

Standard version,  
Certified safe type (EX) ref. certificate CSANe 21ATEX3002X: II 3G Ex ec nC IIC T4 Gc

**PRO TOP3 (HW VERSION / SW VERSION)**

-----  
PRO TOP3 120W 24V 5A, CO (01. x. 00 / 02. 00. x)  
PRO TOP3 240W 24V 10A, CO (01. x. 00 / 02. 00. x)  
PRO TOP3 480W 24V 20A, CO (01. x. 00 / 02. 00. x)  
PRO TOP3 960W 24V 40A, CO (01. x. 00 / 02. 00. x)  
PRO TOP3 480W 48V 10A, CO (01. x. 00 / 02. 00. x)  
PRO TOP3 960W 48V 20A, CO (01. x. 00 / 02. 00. x)  
PRO TOP3 960W 36V 26, 6A CO (01. x. 00 / 02. 00. x)  
Standard version, Coated version (CO)

**PRO TOP DC (HW VERSION/, SW VERSION)**

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PRO TOPDC 120W 24V/24V 5A (01. x. 00, 01. 05. 00\* / 01. 00. x)

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PRO TOPDC 120W 24V/24V 5A EX (01. x. 00, 01. 06. 00\* / 01. 00. x)  
PRO TOPDC 240W 24V/24V 10A, EX (01. x. 00, 01. 07. 00\* / 01. 00. x)  
PRO TOPDC 240W 24V/24V 10A U+ (01. x. 00, 01. 00. 001\* / 01. 00. x)  
PRO TOPDC 480W 24V/24V 20A, EX (01. x. 00, 01. 04. 001\* / 01. 00. x)  
PRO TOPDC 480W 24V/24V 20A, U+ (01. x. 00, 01. 00. 001\* / 01. 00. x)  
PRO TOPDC 480W 24V/48V 10A (01. x. 00, 01. 04. 001\* / 01. 00. x)  
\*...Minimum HVN of power supply for use with accessory PRO COM CAN OPEN (EX)

Standard version,

Certified safe type (EX) ref. certificate CSANe 21ATEX3002X: II 3G Ex ec nC IIC T4 Gc

Applicable to all PRO TOP series:

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Protection against internal short circuits due to integrated ORing-MOSFET technology;  
Direct parallel connection for redundancy or power increase (up to 10 power supply units);  
DIP switches for selection of operating modes:  
- S/P – single/parallel operation;  
- C/S – continuous/shut-off operation;  
Mounting:  
- DIN mounting rail;  
- Fixed mounting by use of additional brackets (accessories);

Accessories for all PRO TOP series:

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PRO COM CAN OPEN (EX) - CANopen field bus communication interface;  
PRO COM IO-LINK - IO-LINK field bus communication interface, PRO TOP2 only;  
PRO TOP BRACKETS.

### Rating:

#### PRO TOP1

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Nominal input voltage: 100 ... 240 V AC (50 / 60 Hz) / 120 ... 340 V DC\*  
Nominal voltage range: 85 ... 277 V AC Derating: 1 % / 1 V @ 85 ... 100 V AC (45 ... 65 Hz) / 48...410 V DC\*  
(PRO TOP1 120W 24V 5A, F, EX only) / 80 ... 410 V DC\*  
Nominal output voltage: 12, 24, 48 V DC (depending on model), adjustable  
Nominal output current: 3, 5, 10, 20, 40 A (depending on model)  
\* The DC supply voltage must not exceed 410 V DC

#### PRO TOP2

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Nominal input voltage: 100...240 V AC (50/60Hz) (L+N+PE), 400 ... 500 V AC (50 / 60 Hz) (L1+L2+PE), 320 ... 500 V DC  
Nominal voltage range: 85 ... 550 V AC (Derating: 2 %/1 V @ 85...100 V AC), 45...65 Hz, 90 ... 800 V DC  
(Derating: 1 %/1 V @ 90...120 V DC)  
Nominal output voltage: 24, 48 V DC (depending on model), adjustable  
Nominal output current: 5, 10 A (depending on model)

#### PRO TOP3

-----  
Nominal input voltage: 3x 400 ... 500 V AC (50 / 60 Hz) / 450 ... 500 V DC\*  
Nominal voltage range: 3x320 ... 575 V AC or 2 x360 ... 575 V AC (45 ... 65Hz) / 450 ... 800V DC\*  
Nominal output voltage: 24, 36, 48 V DC (depending on model), adjustable

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Nominal output current: 5, 10, 20, 26.6, 40 A (depending on model)

\* A minimum DC supply voltage of 440V DC is required

**PRO TOPDC**

Nominal input voltage: 24 V DC

Nominal voltage range: 18...31.2 V DC / 14...31.2 V DC (Linear derating from 18 V to 14 V: 10% / 1 V)

Nominal output voltage: 24, 48 V DC (depending on model)

Nominal output current: 5, 10, 20 A (depending on model)

Applicable to all variants:

Status relay: 30 V AC / DC, 1 A

I/O connection: 0V / 24V

Operating Temperature:

-40 ... +70 °C for EX and CO devices

-25 ... +70 °C for non EX and non CO devices

Storage Temperature: -40 ... +85 °C

Degree of protection: IP20

**Service Restriction:**

1. Unit Certification is not required for this product. If the manufacturer or purchaser requests an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.
2. Power supply series PRO TOP2 and PRO TOP3 is approved for installation in the general power distribution zone only. Power supply series PRO TOP1 & PRO TOPDC is approved for installation in general power distribution zone and bridge & deck zone.
3. Ex certification is not covered by this certificate. Only models with designation EX may be installed in hazardous areas, in accordance with any specific conditions for safe use indicated in the safe type certificates issued by notified body.
4. Vibration 4G application: only with fixed mounting by use of additional brackets.

**Comments:**

1. The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.
2. All PRO TOP1, PRO TOP2, PRO TOP3, PRO TOPDC power supplies can operate in parallel on output connection with any power supplies of the PRO TOP series.
3. Specific hardware versions of the PRO TOPDC series power supplies can be used with communication accessory PRO COM CAN OPEN (EX). ref. to certificate attachment.
4. Minimum hardware version of PRO TOP2 series power supplies are required for use in maritime applications. ref. to certificate attachment.

**Notes/Drawing/Documentation:**

Ref. to certificate attachment

**Terms of Validity:**

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**STANDARDS**

**ABS Rules:**

2026 Rules for Conditions of Classification: 1A-1-4/7.7, 1A-1-A3, 1A-1-A4, which covers the following:

2026 Rules for Building and Classing Marine Vessels Rules: 4-8-3/1.7, 4-8-3/1.11.1, 4-8-3/1.17, 4-8-3/13, 4-8-4/27.5, 4-9-9/13.1, 4-9-9/Table 1

2026 Rules for Conditions of Classification - Mobile Offshore Units 1-1-4/9.7, 1-1-A2, 1-1-A3, which covers the following:

2026 Mobile Offshore Units Rules: 4-3-1/9, 4-3-1/11, 4-3-1/15, 4-3-1/17

**National:**

NA

**International:**

NA

**Government:**

NA

**EUMED:**

NA

**OTHERS:**

NA