



Marine & Offshore

Certificate number: 63355/A2 BV

File number: AP4938

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

Primary switched-mode power supplies

PRO TOP1, PRO TOP2, PRO TOP3

Requirements:

Bureau Veritas Rules for the Classification of Steel Ships

EC Code: 43/33, 42/32, 41/31 (see item 4.3)

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: 06 Jan 2026

For Bureau Veritas Marine & Offshore,
At BV HAMBURG, on 16 Jun 2025

This certificate was created electronically and is valid without signature

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THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

The **PRO TOP** series are primary switched-mode power supplies with an adjustable output having an IU characteristic with reduced output voltage in parallel connection during overload condition. The power supplies are provided with ORing MOSFET technology, isolating faulty units in direct parallel connections for high power capacity or redundant topologies.

The types marked 'CO' or 'EX' have conformal coating applied on the printed circuit boards to severity level G3 (ISA S71.04) and an extended operational low temperature range.

The types marked 'EX' are applicable for the use in hazardous areas.

The types marked 'F' have output terminals 2x(+), 2x(-) instead of standard version with output terminals 2x(+), 3x(-).

1.1 - Type: PRO TOP1

	Order No.	Recommended back-up MCB	Peak current reserve @12/24/48VDC	Min. pulse current @12/24/48VDC	HW version	SW version
PRO TOP 1 72W 24V 3A PRO TOP 1 72W 24V 3A F PRO TOP 1 72W 24V 3A CO	2466850000 2589000000 2466970000	B, C 6A	3.9A ($\leq 40^{\circ}\text{C}$)	12A (15ms)	02.xx.00	02.00.xx
PRO TOP 1 120W 12V 10A PRO TOP 1 120W 12V 10A F PRO TOP 1 120W 12V 10A EX	2466910000 2569000000 2467020000	B, C 6A	13A ($\leq 40^{\circ}\text{C}$)	40A (15ms)	02.xx.00	02.00.xx
PRO TOP 1 120W 24V 5A PRO TOP 1 120W 24V 5A F PRO TOP 1 120W 24V 5A EX	2466870000 2568980000 2466980000	B, C 6A	6.5A ($\leq 40^{\circ}\text{C}$)	30A (15ms)	02.xx.00	02.00.xx
PRO TOP 1 240W 24V 10A PRO TOP 1 240W 24V 10A F PRO TOP 1 240W 24V 10A EX	2466880000 2568990000 2466990000	B, C 6A	13A ($\leq 40^{\circ}\text{C}$)	60A (15ms)	02.xx.00	02.00.xx
PRO TOP 1 480W 24V 20A PRO TOP 1 480W 24V 20A EX	2466890000 2467000000	B 10A, C 8A	26A ($\leq 40^{\circ}\text{C}$)	100A (15ms)	02.xx.00	02.00.xx
PRO TOP 1 480W 48V 10A PRO TOP 1 480W 48V 10A EX	2467030000 2467040000	B 10A, C 8A	13A ($\leq 40^{\circ}\text{C}$)	50A (15ms) 60A (15ms)	02.xx.00	02.00.xx
PRO TOP 1 960W 48V 20A PRO TOP 1 960W 48V 20A CO	2466920000 2467050000	B, C 16A	26A ($\leq 40^{\circ}\text{C}$)	80A (15ms)	02.xx.00 03.xx.00	02.00.xx 02.00.xx
PRO TOP 1 960W 24V 40A PRO TOP 1 960W 24V 40A EX	2466900000 2467010000	B, C 16A	52A ($\leq 40^{\circ}\text{C}$)	160A (15ms)	02.xx.00 03.xx.00	02.00.xx 02.00.xx

Nominal input voltage / frequency: 1x100~240V AC 50/60Hz, 120~320V DC
 Nominal output voltage 12VDC: 11~15V DC
 Nominal output voltage 24VDC: 22.5~28.8V DC
 Nominal output voltage 48VDC: 45~56V DC
 Degree of protection: IP20
 Output characteristic: IU, $I_{\text{Limit}} = 120\% (1 \text{ min.}) @ 60^{\circ}\text{C}$, $I_{\text{Limit}} = 130\% @ 40^{\circ}\text{C}$

1.2 - Type: PRO TOP2

	Order No.	Recommended back-up MCB	Peak current reserve @24/48VDC	Min. pulse current @24/48VDC	HW version	SW version
PRO TOP2 120W 24V 5A UW PRO TOP2 120W 24V 5A UW EX	2467230000 2467240000	5A DI / B,C 6A	6.5A ($\leq 40^{\circ}\text{C}$)	30A (15ms)	01.x.00	01.00.xx
PRO TOP2 240W 24V 10A UW PRO TOP2 240W 24V 10A UW EX	2467250000 2467260000	5A DI / B,C 6A	13A ($\leq 40^{\circ}\text{C}$)	60A (15ms)	01.x.00	01.00.xx
PRO TOP2 240W 48V 5A UW	2467270000	5A DI / B,C 6A	6.5A ($\leq 40^{\circ}\text{C}$)	30A (15ms)	01.x.00	01.00.xx

Nominal input voltage / frequency: 100~240V AC 50/60Hz, 400~500V AC 50/60Hz, 320~500V DC
 Nominal output voltage 24VDC: 22.5~28.8V DC
 Nominal output voltage 48VDC: 45~56V DC
 Degree of protection: IP 20
 Output characteristic: IU/ILimit = 120% (1min.) @ 60°C/ 130% @ 40°C

1.3 - Type: PRO TOP3

	Order No.	Recommended back-up MCB	Peak current reserve @24/48VDC	Min. pulse current @24/48VDC	HW version	SW version
PRO TOP3 120W 24V 5A PRO TOP3 120W 24V 5A CO	2467060000 2467070000	C 1...2A	6.5A ($\leq 40^{\circ}\text{C}$)	30A (15ms)	01.xx.00	02.00.xx
PRO TOP3 240W 24V 10A PRO TOP3 240W 24V 10A CO	2467080000 2467090000	C 2...3A	13A ($\leq 40^{\circ}\text{C}$)	60A (15ms)	01.xx.00	02.00.xx
PRO TOP3 480W 24V 20A PRO TOP3 480W 24V 20A CO	2467100000 2467110000	C 3...5A	26A ($\leq 40^{\circ}\text{C}$)	100A (15ms)	01.xx.00	02.00.xx
PRO TOP3 960W 24V 40A PRO TOP3 960W 24V 40A CO	2467120000 2467130000	C 6...8A	52A ($\leq 40^{\circ}\text{C}$)	160A (15ms)	01.xx.00	02.00.xx
PRO TOP3 480W 48V 10A PRO TOP3 480W 48V 10A CO	2467150000 2467160000	C 3...5A	13A ($\leq 40^{\circ}\text{C}$)	50A (15ms)	01.xx.00	02.00.xx
PRO TOP3 960W 48V 20A PRO TOP3 960W 48V 20A CO	2467170000 2467180000	C 6...8A	26A ($\leq 40^{\circ}\text{C}$)	100A (15ms)	01.xx.00	02.00.xx
PRO TOP3 960W 36V 26,6A CO	2467140000	C 6...8A	34,58A ($\leq 40^{\circ}\text{C}$)	106,8A (15ms)	01.xx.00	02.00.xx

Nominal input voltage / frequency: 3x400~500V AC 50/60Hz, 450~500V DC

Nominal output voltage 24VDC: 22.5~28.8V DC

Nominal output voltage 36VDC: 33~44V DC

Nominal output voltage 48VDC: 45~56V DC

Degree of protection: IP 20

Output characteristic: IU/I_{Limit} = 120% (1min.) @ 60°C/ 130% @ 40°C

1.4 - Accessories:

- Communication interface: PRO COM CAN OPEN (EX), HW: 01.00.xx, SW: 01.00.xx

- Additional communication interface for PRO TOP2: PRO COM IO-LINK, HW: 02.00.xx, SW: 02.05.xx

*** END OF CERTIFICATE ***

For information only