

PRO TOP2 120W 24V 5A UW**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



The fully electronic input circuit of our UW power supplies with an ultra-wide input voltage range of 85 – 550 V AC or 90 – 800 V DC allows operation on all supply networks in the world. Device classes up to 240 W ensure the basic supply of small to medium control systems. The integrated ORing MOSFETs of the PROtop family allow direct parallel connection to increase performance as well as the design of redundant power supply systems.

General ordering data

Version	Power supply, switch-mode power supply unit, 24 V
Order No.	2467230000
Type	PRO TOP2 120W 24V 5A UW
GTIN (EAN)	4050118482133
Qty.	1 pc(s).

Creation date October 11, 2022 7:55:51 PM CEST

Catalogue status 07.10.2022 / We reserve the right to make technical changes.

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Technical data
Dimensions and weights

Depth	125 mm	Depth (inches)	4.921 inch
Height	130 mm	Height (inches)	5.118 inch
Width	39 mm	Width (inches)	1.535 inch
Net weight	920 g		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-25 °C...75 °C
Humidity at operating temperature	5...95 %, no condensation		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1	SCIP	6d8cdf22-8230-4af8-86c8-3558c716
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Input

AC input voltage range	85...550 V AC		
Current consumption in relation to the input voltage	Voltage type	AC	
	Input voltage	85 V	
	Input current	2 A	
DC input voltage range	90...800 V DC		
Frequency range AC	45...65 Hz		
Input fuse (internal)	Yes		
Inrush current	max. 5 A		
Nominal power consumption	134.8 VA		
Rated input voltage	100 - 500 V AC / 120 - 500 V DC		
Recommended back-up fuse	5 A, DI / 6 A, Char. B / 6 A, Char C		
Surge protection	Varistor		

Output

Connection system	PUSH IN with actuator		
Mains failure bridge-over time	Mains failure bridge-over time, min.	20 ms	
	Input voltage type	AC	
	Input voltage	110 V	
	Output current	5 A	
	Output voltage	24 V	
Output power	120 W		
Output voltage, note	adjustable with potentiometer or communication module		
Parallel connection option	yes, max 10		
Protection against inverse voltage	Yes		
Ramp-up time	≤ 100 ms		
Residual ripple, breaking spikes	< 50 mVss @ U _{Nenn} , Full Load		

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Technical data
General data

Conformal coating	No	Degree of efficiency	89%
Derating	> 60°C (2.5% / 1°C)	Earth leakage current, max.	3.5 mA
Housing version		Mounting position, installation notice	Horizontal on DIN rail TS 35, top and bottom 50 mm clearance for free air flow, 10 mm clearance to neighbouring active subassemblies with full load, 5 mm with passive neighbouring subassemblies, direct row mounting with 90% rated load
	Metal, corrosion resistant		
Operating temperature	-25 °C...75 °C	Power loss, idling	5 W
Power loss, nominal load	14.8 W	Surge voltage category	II, III

EMC / shock / vibration

Interference immunity test acc. to	EN 55032:2015, EN 61000-3-2:2019, EN 61000-6-3:2007/A1:2011, EN 61000-6-4:2007/A1:2011, EN 61000-3-3:2013+A1:2019, EN 55035:2017, EN 61000-6-1:2019, EN 61000-6-2:2019, IEC 61000-4-2:2008, IEC 61000-4-3:2006+A1:2007+A2:2010, IEC 61000-4-4:2012, IEC 61000-4-5:2014, IEC 61000-4-6:2013, IEC 61000-4-8:2009, IEC 61000-4-11:2004	Noise emission in accordance with EN55032	
Shock resistance IEC 60068-2-27	30 g in all directions	Vibration resistance IEC 60068-2-6	Class B 2.3 g (on DIN rail), 4 g (with direct mounting)

Insulation coordination

Humidity at operating temperature	5...95 %, no condensation	Pollution severity	2
Surge voltage category	II, III		

Electrical safety (applied standards)

Electrical machine equipment	Acc. to EN60335-1	For use with electronic equipment	Acc. to EN50178
Protection against dangerous shock currents	Acc. to VDE0106-101	Protective separation / protection against electrical shock	VDE0100-410 / acc. to DIN57100-410
Safety extra-low voltage	SELV acc. to IEC 60950-1, PELV according to EN 60204-1	Safety transformers for switch-mode power supplies	According to EN 61558-2-17

Connection data (output)

Connection system	PUSH IN with actuator
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Technical data
Signalling

Floating contact	Yes	Status relay (max. load)	Output voltage OK (30 V DC / 1 A)
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Classifications

ETIM 6.0	EC002540	ETIM 7.0	EC002540
ETIM 8.0	EC002540	ECLASS 9.0	27-04-07-01
ECLASS 9.1	27-04-07-01	ECLASS 10.0	27-04-07-01
ECLASS 11.0	27-04-07-01	ECLASS 12.0	27-04-07-01

Approvals

ROHS	Conform
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Downloads

Catalogues	Catalogues in PDF-format
Brochures	Produkt Information PROTOP DE Produkt Information PROTOP EN

Data sheet

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Drawings

