

PRO PM 100W 48V 2.3A**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Due to the wide range of variants with output voltages of 5, 12, 24, and 48 V and extensive international approvals, they are suitable for use in many applications. The power range extends from 35 W to 350 W. The individual adaptability makes PRO-PM the right choice for many standard machines.

General ordering data

Version	Power supply, switch-mode power supply unit
Order No.	2660200287
Type	PRO PM 100W 48V 2.3A
GTIN (EAN)	4050118782066
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Depth	129 mm	Depth (inches)	5.079 inch
Height	30 mm	Height (inches)	1.181 inch
Width	97 mm	Width (inches)	3.819 inch
Net weight	330 g		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-20 °C...70 °C
Humidity	5...95 % RH		

Input

AC input voltage range	90...264 V AC	
Connection system	Screw connection	
Current consumption in relation to the input voltage	Voltage type	AC
	Input voltage	230 V
	Input current	1.5 A
	Voltage type	AC
	Input voltage	115 V
	Input current	2.5 A
Frequency range AC	47...63 Hz	
Inrush current	max. 45 A	
Nominal power consumption	116.3 VA	
Rated input voltage	100...240 V AC	
Recommended back-up fuse	4 A at 230 V AC, characteristic curve C	

Output

Connection system	Screw connection	Mains failure bridge-over time	20 ms
Output power		Output voltage, note	± 10% nominal output voltage tolerance, adjustable with potentiometer
	100 W		
Overload protection	120%...180% I _{nominal} , hiccup mode with automatic recovery	Parallel connection option	Yes, with diode module
Rated current	2.3 A	Rated output voltage	48 V DC
Residual ripple, breaking spikes	< 150 mV _{pp}	Surge protection	55...62 V @ 48 V DC

General data

Degree of efficiency	86%	Derating	> 50°C (2% / 1°C)
Humidity	5...95 % RH	Mounting position, installation notice	Panel mount, screw fix
Protection degree	IP20	Short-circuit protection	Yes
Status indication	LED green: ready		

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EMC / shock / vibration

Interference immunity test acc. to	Burst: EN 61000-4-4 / ESD EN 61000-4-2, EN61000-4-3 (HF field), EN 61000-4-5 (surge), EN 61000-4-6 (conducted), EN61000-4-8 (Fields), EN 61000-4-11 (Dips)	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 10...500 Hz, constant ac- celeration 5 g, 10 min- utes/cycle, 60 minutes/ax- is

Insulation coordination

Insulation voltage input / earth	2 kV	Insulation voltage output / earth	0.5 kV
Insulation voltage, input/output	3 kV		

Electrical safety (applied standards)

Safety extra-low voltage	SELV acc. to IEC 60950-1, PELV according to EN 60204-1
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Connection data (input)

Conductor cross-section, AWG/kcmil , max.	12	Conductor cross-section, AWG/kcmil , min.	21
Conductor cross-section, rigid , max.	4 mm ²	Conductor cross-section, rigid , min.	0.34 mm ²
Connection system	Screw connection		

Connection data (output)

Conductor cross-section, AWG/kcmil , max.	12	Conductor cross-section, AWG/kcmil , min.	21
Conductor cross-section, rigid , max.	4 mm ²	Conductor cross-section, rigid , min.	0.34 mm ²
Connection system	Screw connection		

Signalling

Status indication	LED green: ready
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Classifications

ETIM 6.0	EC002540	ETIM 7.0	EC002540
ETIM 8.0	EC002540	ETIM 9.0	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	ECLASS 13.0	27-04-07-01

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1 Lead oxide 1317-36-8
SCIP	015c3a09-4dd7-4b84-85e2-16a46fa4e79a

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Technical data

Approvals

Approvals



ROHS

Conform

Downloads

Approval/Certificate/Document of Conformity	PRO PM 100W UL 62368.pdf Declaration of Conformity
Engineering Data	CAD data – STEP
User Documentation	Instruction sheet
Catalogues	Catalogues in PDF-format