Data sheet

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 items

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Technical data

Approvals

Approvals	
ROHS	Conform

Dimensions and weights

Depth	129 mm	Depth (inches)	5.0787 inch
Height	30 mm	Height (inches)	1.1811 inch
Width	97 mm	Width (inches)	3.8189 inch
Net weight	330 g		

Temperatures

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

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c, 7a, 7cI
REACH SVHC	Lead 7439-92-1, Lead monoxide 1317-36-8
SCIP	015c3a09-4dd7-4b84-85e2-16a46fa4e79a

Input

Connection system	Screw connection	
AC input voltage range	90...264 V AC	
Recommended back-up fuse	4 A at 230 V AC, characteristic curve C	
Frequency range AC	47...63 Hz	
Rated input voltage	100...240 V AC	
Inrush current	max. 45 A	
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
Nominal power consumption	116.3 VA	

Output

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

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General data

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

EMC / shock / vibration

Shock resistance IEC 60068-2-27	30 g in all directions	Noise emission in accordance with EN55032	Class B
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)	Vibration resistance IEC 60068-2-6	10...500 Hz, constant acceleration 5 g, 10 minutes/cycle, 60 minutes/axis

Insulation coordination

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

Electrical safety (applied standards)

Safety extra-low voltage	SELV acc. to IEC 60950-1, PELV according to EN 60204-1

Connection data (input)

Connection system	Screw connection	Conductor cross-section, AWG/kcmil , max.	12 AWG
Conductor cross-section, AWG/kcmil , min.	21 AWG	Conductor cross-section, rigid , max.	4 mm²
Conductor cross-section, rigid , min.	0.34 mm²		

Connection data (output)

Connection system	Screw connection	Conductor cross-section, AWG/kcmil , max.	12 AWG
Conductor cross-section, AWG/kcmil , min.	21 AWG	Conductor cross-section, rigid , max.	4 mm²
Conductor cross-section, rigid , min.	0.34 mm²		

Signalling

Status indication	LED green: ready

Classifications

ETIM 8.0	EC002540	ETIM 9.0	EC002540
ETIM 10.0	EC002540	ECLASS 14.0	27-04-07-01
ECLASS 15.0	27-04-07-01		

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