

**PRO PM 100W 48V 2.3A**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

[www.weidmueller.com](http://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.	<a href="#">2660200287</a>
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, 7cl
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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**Technical data**

**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		
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**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 mm <sup>2</sup>
Conductor cross-section, rigid , min.	0.34 mm <sup>2</sup>		

**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 mm <sup>2</sup>
Conductor cross-section, rigid , min.	0.34 mm <sup>2</sup>		

**Signalling**

Status indication	LED green: ready		
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**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		