

PRO PM 100W 24V 4.5A**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.	2660200286
Type	PRO PM 100W 24V 4.5A
GTIN (EAN)	4050118767100
Qty.	1 pc(s).

PRO PM 100W 24V 4.5A

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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	4.5 A	Rated output voltage	24 V DC
Residual ripple, breaking spikes	< 100 mV _{pp}	Surge protection	28...32 V @ 24 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		

PRO PM 100W 24V 4.5A

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

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
--------------------------	--

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
-------------------	------------------

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

PRO PM 100W 24V 4.5A

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

www.weidmueller.com

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