PRO PM 75W 48V 1.6A

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.	2660200284
Type	PRO PM 75W 48V 1.6A
GTIN (EAN)	4050118782059
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Depth	99 mm	Depth (inches)	3.898 inch
Height	30 mm	Height (inches)	1.181 inch
Width	97 mm	Width (inches)	3.819 inch
Net weight	240 g		

Temperatures

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

Probability of failure

SIL in compliance with IEC 61508	None

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1, Lead oxide 1317-36-8

Input

AC current consumption	1 A @ 230 V AC / 2 A @ 115 V AC	
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 A
	Voltage type	AC
	Input voltage	115 V
	Input current	2 A
Frequency range AC	47...63 Hz	
Inrush current	max. 45 A	
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	75 W	Output voltage, note	± 10% nominal output voltage tolerance, adjustable with potentiometer
Overload protection	120%...180% $I_{nominal}$, hiccup mode with automatic recovery	Parallel connection option	Yes, with diode module
Rated current	1.6 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
Operating temperature	-20 °C...70 °C	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	Class B
Shock resistance IEC 60068-2-27	30 g in all directions	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

Connection data (input)

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

Signalling

Status indication	LED green: ready

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		

Approvals

Approvals	CE
ROHS	Conform

Downloads

Approval/Certificate/Document of Conformity	Declaration of Conformity
Catalogues	Catalogues in PDF-format

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