

CP M RM24**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

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Germany

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www.weidmueller.com



Redundant power supply systems increase the availability and consequently the operating times of machinery. The new diode modules, with 20 A or 40 A output current and integrated status relay, enable the installation of trouble-free systems.

The capacitance module ensures a secure power supply even at peak loads (forexample when the motor starts) and the specific triggering of circuit breakers. It can be installed in addition to the power supply at any time.

The relay module monitors the 24-V power supply.

The simple click-on assembly process enables quick installation and makes it possible to retro-fit on the switch-mode power supply unit.

General ordering data

Type	CP M RM24
Order No.	1222230000
Version	Power supply, switch-mode power supply unit
GTIN (EAN)	4050118005615
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Width	33 mm	Height	28 mm
Depth	22 mm	Weight	75 kg
Net weight	47 g		

Temperatures

Humidity	5...95 %, no condensation	Operating temperature	-25 °C...+70 °C
Storage temperature	-40 °C...+85 °C		

Input

Connection system [Input]	10 cm cable with ferrules	DC input voltage range	18...30 V DC
Wire connection method	PUSH IN	rated input voltage	24 V DC

output

Connection system [Output]		Switching thresholds	21.6 V DC, relay is on for Power Good, 20.4 V DC, relay is off for Power Fail
	PUSH IN direct insertion		
Voltage monitoring	Yes	Wire connection method	PUSH IN

General data

Humidity	5...95 %, no condensation	MTBF	> 500,000 h acc. to IEC 1709 (SN29500)
Mounting position, installation notice	Plugged in to the front of the PRO-M power supply	Operating temperature	-25 °C...+70 °C
Weight	75 kg		

EMC / shock / vibration

Noise emission acc. to EN55022	Class B	Vibration resistance IEC 60068-2-6	1 g according to EN50178
Interference immunity test acc. to	EN 61000-4-2 (ESD) EN 61000-4-3 and EN 61000-4-8 (fields) EN 61000-4-4 (burst) EN 61000-4-5 (surge) EN 61000-4-6 (conducted) EN 61000-4-11 (dips)	Shock resistance IEC 60068-2-27	
			15 g In all directions

Insulation coordination

Class of protection	III, with no ground connection, for SELV	Insulation voltage	0.5 kV Input/output housing
Pollution severity	2		

Electrical safety (applied standards)

Electrical machine equipment	Acc. to EN60204	For use with electronic equipment	Acc. to EN50178 / VDE0160
Safety extra-low voltage	SELV acc. to EN60950, PELV acc. to EN60204		

Connection data (input)

Connection system [Input]	10 cm cable with ferrules
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Creation date March 4, 2014 1:33:04 PM CET

Catalogue status 14.01.2014 / We reserve the right to make technical changes.

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Technical data

Connection data (output)

Conductor cross-section, AWGcmil , max.	16	Conductor cross-section, AWGcmil , min.	24
Conductor cross-section, flexible , max.	1.5 mm ²	Conductor cross-section, flexible , min.	0.2 mm ²
Conductor cross-section, rigid , max.	1.5 mm ²	Conductor cross-section, rigid , min.	0.2 mm ²
Connection system [Output]	PUSH IN direct insertion	Number of terminals [Output]	3 (CO contacts)

Signalling

Floating contact	Yes	Relay onff	Output voltage > 21.6 V / < 20.4 V
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Approvals

Institute (GERMLLOYD)		Certificate No. (GERMLLOYD)	
			94767-10
Institute (cURus)		Certificate No. (cURus)	
			E258476

Classifications

eClass 6.2	27-04-92-01	eClass 7.1	27-04-92-01
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Approvals

Approvals	
ROHS	Conform

Downloads

Package insert	Operating instructions
Declaration of Conformity	K471_12_11.pdf
PDF	Warranty information
3-D model	