CP M RM24

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

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

Version	Power supply, switch-mode power supply unit
Order No.	1222230000
Type	CP M RM24
GTIN (EAN)	4050118005615
Qty.	1 pc(s).
Delivery status	This article will no longer be available in the future.
Available until	2022-03-30

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Technical data

Dimensions and weights

Depth	22 mm	Depth (inches)	0.866 inch
Height	28 mm	Height (inches)	1.102 inch
Width	33 mm	Width (inches)	1.299 inch
Net weight	44 g		

Temperatures

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

Rated data UL

Certificate No. (cURus)	E258476

Input

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

Output

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

General data

Humidity	5...95 %, no condensation	Mounting position, installation notice	Plugged in to the front of the PRO-M power supply
Protection degree	IP20		

EMC / shock / vibration

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)	Noise emission in accordance with EN55032	Class B
Shock resistance IEC 60068-2-27	15 g In all directions	Vibration resistance IEC 60068-2-6	1 g according to EN 50178

Insulation coordination

Insulation voltage	0.5 kV Input / output - Box	Pollution severity	2
Protection class	III, with no ground connection, for SELV		

Electrical safety (applied standards)

Electrical machine equipment	Acc. to EN60204	For use with electronic equipment	Acc. to EN50178 / VDE0160

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Technical data

Connection data (input)

Connection system	10 cm cable with ferrules

Connection data (output)

Conductor cross-section, AWG/kcmil , max.	16	Conductor cross-section, AWG/kcmil , min.	24
Conductor cross-section, flexible , max.	1.5 mm²	Conductor cross-section, flexible , min.	0.2 mm²
Conductor cross-section, rigid , max.	1.5 mm²	Conductor cross-section, rigid , min.	0.2 mm²
Connection system	PUSH IN direct insertion	Number of terminals	3 (CO contacts)

Signalling

Floating contact	Yes	Relay on/off	Output voltage > 21.6 V / < 20.4 V

Approbations

Certificate No. (cURus)	E258476	Institute (cURus)	CURUS

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	27-04-07-90
ECLASS 12.0	27-04-07-90	ECLASS 13.0	27040790

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	c9dca554-f123-4c2f-a680-5a7631aa9527

Approvals

Approvals

ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E258476

Downloads

User Documentation	Operating instructions
Catalogues	Catalogues in PDF-format