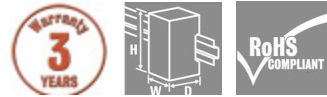


CP M DM20

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 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 DM20
Order No.	1222210000
Version	Power supply, switch-mode power supply unit
GTIN (EAN)	4050118005608
Qty.	1 pc(s).

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Technische Daten

Dimensions and weights

Width	34 mm	Height	130 mm
Depth	150 mm	Weight	0.3 kg
Net weight	500 g		

Temperatures

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

Input

DC input voltage range	18...30 V DC	Input current	2 x 10 A or 1 x 20 A
Wire connection method	Screw connection	rated input voltage	24 V DC

output

Output voltage, note	Input voltage - 0.7 V	Rated (nominal) output current @ U _{Nom}	20 A @ 60 °C
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, In both inputs
Wire connection method	Screw connection	continuous output current @ 24 V DC	24 A @ 45 °C, 22.5 A @ 55 °C, 15 A @ 70 °C
rated output voltage	24 V DC ± 1 %		

General data

Degree of efficiency	> 97% @ 24 V input voltage	Humidity	5...95 %, no condensation
MTBF	> 500,000 h acc. to IEC 1709 (SN29500)	Mounting position, installation notice	Horizontal on TS35 mounting rail, with 50 mm of clearance at top and bottom for air circulation. Can be mounted side by side with no space in between.
Operating temperature	-25 °C...+70 °C	Weight	0.3 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)	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		

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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)

Conductor cross-section, AWGcmil , max.	12	Conductor cross-section, AWGcmil , min.	26
Conductor cross-section, flexible , min.	0.5 mm ²	Conductor cross-section, rigid , max.	6 mm ²
Conductor cross-section, rigid , min.	0.5 mm ²	Number of terminals [Input]	4 (1+, 2+, 1-, 2-)
Wire connection cross section, flexible (input), max.	2.5 mm ²		

Connection data (output)

Conductor cross-section, AWGcmil , max.	12	Conductor cross-section, AWGcmil , min.	26
Conductor cross-section, flexible , max.	2.5 mm ²	Conductor cross-section, flexible , min.	0.5 mm ²
Conductor cross-section, rigid , max.	6 mm ²	Conductor cross-section, rigid , min.	0.5 mm ²
Number of terminals [Output]	4 (3 +, 4 +, 3 -, 4 -)		

Signalling

Floating contact	Yes
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Approvals

Institute (GERMLLOYD)		Certificate No. (GERMLLOYD)	94767-10
Institute (cULus)		Certificate no. (cULus)	E258476VOL1SEC19

Classifications

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

Approvals



ROHS	Conform
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Technische Daten**Downloads**

Package insert	Operating instructions
Declaration of Conformity	K471_12_11.pdf
PDF	Warranty Information
3D Modell	
