

**PRO-M
CP M DM20**

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com



Use our diode and redundancy modules to connect two power supplies and compensate for a device failing. In addition, our capacity module offers power reserves, guaranteeing purposeful and quick triggering of a circuit breaker, for example.

General ordering data

Available until	2019-06-30
Type	CP M DM20
Order No.	1222210000
Version	Diode module
GTIN (EAN)	4050118005608
Qty.	1 pc(s).
Alternative product	2486100000

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Technical data
Dimensions and weights

Width	34 mm	Width (inches)	1.339 inch
Height	130 mm	Height (inches)	5.118 inch
Depth	150 mm	Depth (inches)	5.905 inch
Net weight	588 g		

Temperatures

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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Input

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

Output

Continuous output current @ U _{Nominal}	24 A @ 45 °C, 22.5 A @ 55 °C, 15 A @ 70 °C	Nominal output current for U _{nom}	20 A @ 60 °C
Output current, max.	24 A	Output voltage	Voltage input - 0.7 V
Rated output voltage		Switching thresholds	21.6 V DC, relay is on for Power Good, 20.4 V DC, relay is off for Power Fail
	24 V DC ± 1 %	Wire connection method	Screw connection
Voltage monitoring	Yes, In both inputs		

General data

Degree of efficiency	> 97% @ 24 V Input voltage	Humidity	5...95 %, no condensation
MTBF	> 500,000 h in accordance with IEC 61709 (SN29500)	Mounting position, installation notice	Horizontal on TS35 mounting rail. 50 mm of clearance at top & bottom for air circ. Can mount side by side with no space in between.
Operating temperature	-25 °C...70 °C	Protection degree	IP20

EMC / shock / vibration

Noise emission in accordance with EN55032	Class B	Vibration resistance IEC 60068-2-6	1 g according to EN 50178
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

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Technical data**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
Safety extra-low voltage	SELV according to EN 60950, PELV according to EN 60204		

Connection data (input)

Conductor cross-section, AWG/kcmil , max.	12	Conductor cross-section, AWG/kcmil , 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	4 (1+, 2+, 1-, 2-)
Wire connection cross section, flexible (input), max.	2.5 mm ²		



Connection data (output)

Conductor cross-section, AWG/kcmil , max.	12	Conductor cross-section, AWG/kcmil , 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	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)	E258476

Classifications

ETIM 6.0	EC002540	ETIM 7.0	EC002540
eClass 9.0	27-04-07-01	eClass 9.1	27-04-07-01
eClass 10.0	27-04-07-01		

Data sheet

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Technical data

Approvals

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ROHS

Conform

Downloads

Approval/Certificate/Document of Conformity	DE_PA5200_160512_001.pdf
Brochure/Catalogue	CAT 4.3 ELECTR 15/16 EN
Engineering Data	EPLAN_WSCAD
Engineering Data	STEP
User Documentation	Operating instructions