

## CP M DM20

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



In many automation applications, power supply systems are required that function reliably even if a power supply unit fails. With our optimally coordinated supplementary modules, a permanent supply concept is created. Weidmüller's diodes and redundancy modules connect two power supplies to each other in order to compensate for the failure of one device. The diode modules allow with 20 A or 40 A output current to the construction of safe power supply systems

## General ordering data

Version	Diode module
Order No.	<a href="#">1222210010</a>
Type	CP M DM20
GTIN (EAN)	4050118176131
Qty.	1 items
Delivery status	This article will no longer be available in the future.
Available until	2022-10-31T00:00:00+01:00
Alternative product	<a href="#">PRO RM 10</a>

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## Technical data

## Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate no. (cULus) E258476

## Dimensions and weights

Depth	150 mm	Depth (inches)	5.9055 inch
Height	130 mm	Height (inches)	5.1181 inch
Width	34 mm	Width (inches)	1.3386 inch
Net weight	500 g		

## Temperatures

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

## Environmental Product Compliance

RoHS Compliance Status	Compliant
REACH SVHC	Lead 7439-92-1
SCIP	c9dca554-f123-4c2f-a680-5a7631aa9527

## Input

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

## Output

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

## General data

Degree of efficiency	> 97% @ 24 V Input voltage	Humidity	5...95 %, no condensation
Protection degree	IP20	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.
Clip-in foot	metal		

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### EMC / shock / vibration

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

### Insulation coordination

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

### Electrical safety (applied standards)

For use with electronic equipment	Acc. to EN50178 / VDE0160	Electrical machine equipment	Acc. to EN60204
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### Connection data (input)

Number of terminals	4 (1+, 2+, 1-, 2-)	Conductor cross-section, AWG/kcmil , max.	12
Conductor cross-section, AWG/kcmil , min.	26	Wire connection cross section, flexible (input), max.	2.5 mm <sup>2</sup>
Conductor cross-section, flexible , min.	0.5 mm <sup>2</sup>	Conductor cross-section, rigid , max.	6 mm <sup>2</sup>
Conductor cross-section, rigid , min.	0.5 mm <sup>2</sup>		

### Connection data (output)

Number of terminals	4 (3 +, 4 +, 3 -, 4 -)	Conductor cross-section, AWG/kcmil , max.	12
Conductor cross-section, AWG/kcmil , min.	26	Conductor cross-section, flexible , max.	2.5 mm <sup>2</sup>
Conductor cross-section, flexible , min.	0.5 mm <sup>2</sup>	Conductor cross-section, rigid , max.	6 mm <sup>2</sup>
Conductor cross-section, rigid , min.	0.5 mm <sup>2</sup>		

### Signalling

Floating contact	Yes
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### Classifications

ETIM 8.0	EC002540	ETIM 9.0	EC002540
ETIM 10.0	EC002540	ECLASS 14.0	27-04-07-90
ECLASS 15.0	27-04-07-90		