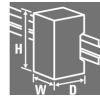


CP M DM20**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Version	Diode module
Order No.	1222210010
Type	CP M DM20
GTIN (EAN)	4050118176131
Qty.	1 pc(s).
Available until	2019-06-30
Alternative product	2486100000

CP M DM20

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Technical data

Dimensions and weights

Depth	150 mm	Depth (inches)	5.905 inch
Height	130 mm	Height (inches)	5.118 inch
Width	34 mm	Width (inches)	1.339 inch
Net weight	500 g		

Temperatures

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

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

Nominal output current for U_{nom}	20 A @ 60 °C	Output current, max.	24 A
Output voltage, note	Voltage input - 0.7 V	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	Voltage monitoring	Yes, In both inputs
Wire connection method	Screw connection		

General data

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

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)	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		

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Technical data

Electrical safety (applied standards)

Electrical machine equipment

Acc. to EN60204

For use with electronic equipment

Acc. to EN50178 /
VDE0160

Connection data (input)

Conductor cross-section, AWG/kcmil ,
max.

12

Conductor cross-section, AWG/kcmil ,
min.

26

Conductor cross-section, flexible , min.

0.5 mm²

Conductor cross-section, rigid , max.

6 mm²

Conductor cross-section, rigid , min.

0.5 mm²Wire connection cross section, flexible
(input), max.2.5 mm²

Connection data (output)

Conductor cross-section, AWG/kcmil ,
max.

12

Conductor cross-section, AWG/kcmil ,
min.

26

Conductor cross-section, flexible , max.

2.5 mm²

Conductor cross-section, flexible , min.

0.5 mm²

Conductor cross-section, rigid , max.

6 mm²

Conductor cross-section, rigid , min.

0.5 mm²

Number of terminals

4 (3 +, 4 +, 3 -, 4 -)

Signalling

Floating contact

Yes

Approvals

Certificate No. (GERMLLOYD)

94767-10

Certificate no. (cULus)

E258476

Institute (GERMLLOYD)

GERMLLOYD

Institute (cULus)

CULUS

Classifications

ETIM 6.0

EC002540

ETIM 7.0

EC002540

ETIM 8.0

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

Approvals

Approvals



ROHS

Conform

UL File Number Search

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Approval/Certificate/Document of
Conformity[DE_PA5200_160512_001.pdf](#)

Engineering Data

[EPLAN, WSCAD](#)

User Documentation

[Operating instructions](#)

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