

CP M DM40**Weidmüller Interface GmbH & 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.	1222220010
Type	CP M DM40
GTIN (EAN)	4050118176124
Qty.	1 pc(s).
Delivery status	This article will no longer be available in the future.
Available until	2022-10-31
Alternative product	2486100000

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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	60 mm	Width (inches)	2.362 inch
Net weight	984 g		

Temperatures

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

Input

DC input voltage range	18...30 V DC	Input current	2 x 20 A or 1 x 40 A
Rated input voltage	24 V DC	Wire connection method	Screw connection

Output

Continuous output current @ U _{Nominal}	48 A @ 45 °C, 45 A @ 55 °C, 30 A @ 70 °C	Nominal output current for U _{nom}	40 A @ 60 °C
Output current, max.	48 A	Output voltage, note	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

Clip-in foot	metal	Degree of efficiency	> 97% @ 24 V Input voltage
Humidity		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.
	5...95 %, no condensation		
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)	Noise emission in accordance with EN55032	
Shock resistance IEC 60068-2-27	15 g In all directions	Vibration resistance IEC 60068-2-6	Class B 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.

6

Conductor cross-section, AWG/kcmil ,
min.

22

Conductor cross-section, flexible , min.

2.5 mm²

Conductor cross-section, rigid , max.

16 mm²

Conductor cross-section, rigid , min.

0.5 mm²

Number of terminals

4 (1+, 2+, 1-, 2-)

Wire connection cross section, flexible
(input), max.10 mm²

Connection data (output)

Conductor cross-section, AWG/kcmil ,
max.

6

Conductor cross-section, AWG/kcmil ,
min.

22

Conductor cross-section, flexible , max.

10 mm²

Conductor cross-section, flexible , min.

2.5 mm²

Conductor cross-section, rigid , max.

16 mm²

Conductor cross-section, rigid , min.

0.5 mm²

Number of terminals

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

Signalling

Floating contact

Yes

Approbations

Certificate no. (cULus)

E258476

Institute (cULus)

CULUS

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

27-04-07-90

Environmental Product Compliance

REACH SVHC

Lead 7439-92-1

SCIP

c9dca554-f123-4c2fa680-5a7631aa9527

Approvals

Approvals



ROHS

Conform

UL File Number Search

UL Website

Certificate no. (cULus)

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Downloads

Approval/Certificate/Document of Con- formity	CP M DM UL 508.pdf DE_PA5200_160512_001.pdf
User Documentation	Operating instructions Operating instructions
Catalogues	Catalogues in PDF-format
Brochures	