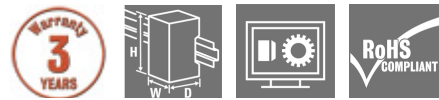


**CP M DM40**

**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.	<a href="#">1222220010</a>
Type	CP M DM40
GTIN (EAN)	4050118176124
Qty.	1 pc(s).
Delivery status	<b>This article will no longer be available in the future.</b>
Available until	2022-10-31
Alternative product	<a href="#">2486100000</a>

Creation date March 7, 2023 6:09:47 PM CET

## CP M DM40

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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 °C
Operating temperature, min.	-25 °C	Operating temperature, max.	70 °C
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 <sub>Nominal</sub>	48 A @ 45 °C, 45 A @ 55 °C, 30 A @ 70 °C	Nominal output current for U <sub>nom</sub>	40 A @ 60 °C
Output current, max.	48 A	Output voltage, note	Voltage input - 0.7 V
Rated output voltage	24 V DC ± 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	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	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 <sub>Input / output - Box</sub>	Pollution severity	2
Protection class	III, with no ground connection, for SELV		

Creation date March 7, 2023 6:09:47 PM CET

Catalogue status 03.03.2023 / We reserve the right to make technical changes.

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## CP M DM40

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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
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### Connection data (input)

Conductor cross-section, AWG/kcmil , max.	6	Conductor cross-section, AWG/kcmil , min.	22
Conductor cross-section, flexible , min.	2.5 mm <sup>2</sup>	Conductor cross-section, rigid , max.	16 mm <sup>2</sup>
Conductor cross-section, rigid , min.	0.5 mm <sup>2</sup>	Wire connection cross section, flexible (input), max.	10 mm <sup>2</sup>

### Connection data (output)

Conductor cross-section, AWG/kcmil , max.	6	Conductor cross-section, AWG/kcmil , min.	22
Conductor cross-section, flexible , max.	10 mm <sup>2</sup>	Conductor cross-section, flexible , min.	2.5 mm <sup>2</sup>
Conductor cross-section, rigid , max.	16 mm <sup>2</sup>	Conductor cross-section, rigid , min.	0.5 mm <sup>2</sup>
Number of terminals	4 (3 +, 4 +, 3 -, 4 -)		

### Signalling

Floating contact	Yes
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### Approbations

Certificate no. (cULus)	E258476	Institute (cULus)	CULUS
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### 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	ECLASS 12.0	27-04-07-90

### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	c9dca554-f123-4c2f-a680-5a7631aa9527

### Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E258476

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**Technical data****Downloads**

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Approval/Certificate/Document of Conformity	<a href="#">DE_PA5200_160512_001.pdf</a>
Engineering Data	<a href="#">WSCAD</a>
User Documentation	<a href="#">Operating instructions</a> <a href="#">Operating instructions</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	

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