

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.	1222220000
Type	CP M DM40
GTIN (EAN)	4050118005455
Qty.	1 pc(s).
Available until	2019-06-30
Alternative product	2486110000

Creation date March 23, 2021 9:24:16 AM CET

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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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
Net weight	867 g	Width	60 mm
Width (inches)	2.362 inch		

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 20 A or 1 x 40 A
Rated input voltage	24 V DC	Wire connection method	Screw connection

Output

Nominal output current for U_{nom}	40 A @ 60 °C	Output current, max.	48 A
Output voltage	Voltage input - 0.7 V	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

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		

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 <small>Input / output - Box</small>	Pollution severity	2
Protection class	III, with no ground connection, for SELV		

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2

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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 ²	Conductor cross-section, rigid , max.	16 mm ²
Conductor cross-section, rigid , min.	0.5 mm ²	Wire connection cross section, flexible (input), max.	10 mm ²

Connection data (output)

Conductor cross-section, AWG/kcmil , max.	6	Conductor cross-section, AWG/kcmil , min.	22
Conductor cross-section, flexible , max.	10 mm ²	Conductor cross-section, flexible , min.	2.5 mm ²
Conductor cross-section, rigid , max.	16 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

Certificate No. (GERMLLOYD)	94767-10	Certificate no. (cULus)	E258476
Institute (GERMLLOYD)	GERMLLOYD	Institute (cULus)	CULUS

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	ECLASS 11.0	27-04-07-90

Approvals

Approvals



ROHS	Conform
UL File Number Search	E258476

Downloads

Approval/Certificate/Document of Conformity	DE_PA5200_160512_001.pdf
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD
User Documentation	Operating instructions

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3