

**PRO-M
CP M CAP****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

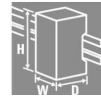
D-32758 Detmold

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Diode module for decoupling outputs of switched-mode power units. Switched-mode power units have a disadvantage - when multiple secondary circuits are switched in parallel, an opposite negative influence can effect the individual circuit. This can damage the devices. The CP DM diode modules can help here. They are used for doubling the output, redundancy operation, supplying critical loads and protecting against energy recovery.

General ordering data

Type	CP M CAP
Order No.	1222240000
Version	Power supply, switch-mode power supply unit
GTIN (EAN)	4050118005523
Qty.	1 pc(s).

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Technical data
Dimensions and weights

Width	34 mm	Width (inches)	1.339 inch
Height	130 mm	Height (inches)	5.118 inch
Depth	150 mm	Depth (inches)	5.905 inch
Net weight	733 g		

Temperatures

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

Input

DC input voltage range	18...30 V DC	Rated input voltage	24 V DC
Wire connection method	Screw connection		

output

Peak current output	Depending on the load (typically 40 A for 1 ms)	Recovery time for the capacitor	Approx. 1 sec.
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
Wire connection method	Screw connection		

General data

Humidity	5...95 %, no condensation	MTBF	> 500,000 h acc. to IEC 1709 (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
Protection degree	IP20		

EMC / shock / vibration

Noise emission acc. to EN55022	Class B	Vibration resistance IEC 60068-2-6	1 g according to EN50178
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) EN 61000-4-11 (dips)	Shock resistance IEC 60068-2-27	15 g In all directions

Insulation coordination

Class of protection	III, with no ground connection, for SELV	Insulation voltage	0.5 kV Input/output housing
Pollution severity	2		

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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

Safety extra-low voltage

SELV acc. to EN60950,
PELV acc. to EN60204
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 mm²

Number of terminals

4 (++-)

Wire connection cross section, flexible
(input), max.4 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

3 (CO contacts)

Signalling

Floating contact

Yes

Approvals

Institute (GERMLLOYD)



Certificate No. (GERMLLOYD)

94767-10

Institute (cULus)



Certificate no. (cULus)

E258476

Classifications

ETIM 5.0

EC002850

ETIM 6.0

EC002850

eClass 6.2

27-04-92-01

eClass 7.1

27-04-92-01

eClass 8.1

27-04-92-01

eClass 9.0

27-04-92-01

eClass 9.1

27-04-92-01

Product information

Descriptive text technical data

For low-impedance connections we recommend 2.5 mm².

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Technical data

Approvals

Approvals



ROHS

Conform

Downloads

Approval/Certificate/Document of Conformity	DE_PA5200_160512_001.pdf
Brochure/Catalogue	CAT 4.3 ELECTR 15/16 EN
Engineering Data	EPLAN_WSCAD
User Documentation	Operating instructions