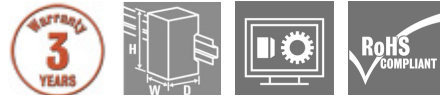


**PRO-M  
CP M CAP**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com



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.	<a href="#">1222240000</a>
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, max.	70 °C
Operating temperature, min.	-25 °C	Storage temperature, max.	85 °C
Storage temperature, min.	-40 °C	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 mm <sup>2</sup>	Conductor cross-section, rigid , max.	6 mm <sup>2</sup>
Conductor cross-section, rigid , min.	0.5 mm <sup>2</sup>	Number of terminals	4 (++-)
Wire connection cross section, flexible (input), max.	4 mm <sup>2</sup>		



**Connection data (output)**

Conductor cross-section, AWG/kcmil , max.	12	Conductor cross-section, AWG/kcmil , min.	26
Conductor cross-section, flexible , max.	2.5 mm <sup>2</sup>	Conductor cross-section, flexible , min.	0.5 mm <sup>2</sup>
Conductor cross-section, rigid , max.	6 mm <sup>2</sup>	Conductor cross-section, rigid , min.	0.5 mm <sup>2</sup>
Number of terminals	3 (CO contacts)		

**Signalling**

Floating contact	Yes
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**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 mm <sup>2</sup> .
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**Data sheet****PRO-M  
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**Technical data****Approvals**

Approvals



ROHS

Conform

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">DE_PA5200_160512_001.pdf</a>
Brochure/Catalogue	<a href="#">CAT 4.3 ELECTR 15/16 EN</a>
Engineering Data	<a href="#">EPLAN_WSCAD</a>
User Documentation	<a href="#">Operating instructions</a>