

MCZ SERIES
MCZ OVP CL 24VDC 0,5A

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
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Germany
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- Slimline overvoltage protection terminal with tension clamp connection
- 6 mm Slimline fine overvoltage protection
- fast wiring thanks to TS contact and tension clamp connections
- can be cross-connected

General ordering data

Type	MCZ OVP CL 24VDC 0,5A
Order No.	8448920000
Version	MCZ SERIES, Surge protection for instrumentation and control, 24 V, 0,5 A
GTIN (EAN)	4008190147396
Qty.	10 pc(s).

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Technical data
Dimensions and weights

Width	6 mm	Height	91 mm
Depth	63.5 mm	Net weight	23.1 g

Temperatures

Operating temperature	-40 °C...+60 °C	Storage temperature	-40 °C...+85 °C
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General data

Colour	Black	Design	Terminal
Height with TS 35	63.5 mm	Mounting rail	TS 35
Protection degree	IP 20	Segment	Instrumentation and Control
UL 94 flammability rating	V-0		

Insulation coordination acc. to EN 50178

Pollution severity	2	Surge voltage category	III
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Interference voltage

Protection level on output side Wire-wire 1 kV/μs, typically	40 V	Protection level on output side Wire-wire 8/20 μs, typically	65 V
Protection level on output side Wire-PE 1kV/μs, typically	40 V	Protection level on output side Wire-PE 8/20 μs, typically	65 V

Protective elements

Gas discharge tube	Yes
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technical data

Rated voltage (DC)	24 V	Rated current	0.5 A
Rated voltage	24 V	Rated voltage (DC), max.	28 V
Max. continuous voltage, U _c (AC)	28 V	Operating current, I _{max}	0.5 A
Discharge current, max. (10/350 μs)	1 kA	Fuse, max.	0.5 A
Discharge current, max. (8/20 μs)	5 kA	Protection level on output side Wire-wire 8/20 μs, typically	65 V
Protection level on output side Wire-PE 8/20 μs, typically	65 V	Colour	Black
AC/DC/UC	DC	Requirements category acc. to IEC 61643-21	D1
Response time	≤ 100 ps	Operating voltage	28 V
Lightning test current I _{imp} (10/350 μs)	1 kA	Volume resistance	2.50 Ω
Inductance L and L1	75 μH	Cross-section	1.5 mm ²
Limiting frequency (-3 dB) at load resistance	500 kHz 240 Ω		

Connection data

Clamping range, rated connection	1.5 mm ²	Clamping range, rated connection, min.	0.5 mm ²
Clamping range, rated connection, max.	1.5 mm ²	Wire connection cross section, finely stranded, max.	1.5 mm ²

Data sheet

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Technical data

Rated data UL

Certificate No. (UL) E311081

Classifications

ETIM 3.0	EC000943	UNSPSC	30-21-18-11
eClass 5.1	27-14-11-27	eClass 6.2	27-13-08-02
eClass 7.1	27-37-16-04		

Product information

Descriptive text technical data	See derating curve in the introductory text chapter in Catalogue 4.4
Descriptive text accessories	End plate AP MCZ 1,5 SW: 1046410000

Approvals

Approvals



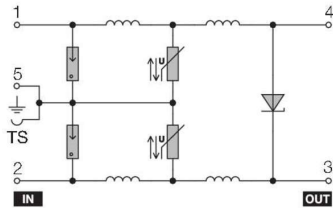
ROHS Conform

Downloads

Declaration of Conformity [CE document](#)
[3-D model](#)

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Drawings**Electric symbol**

Circuit diagram