

MCZ SERIES
MCZ OVP TAZ DIODE 24VDC

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
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Germany
Fon: +49 5231 14-0
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www.weidmueller.com



- 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

Order No.	8449150000
Type	MCZ OVP TAZ DIODE 24VDC
Version	MCZ SERIES, Surge protection for instrumentation and control, 24 V, Surge protection for measurement and control
GTIN (EAN)	4008190128227
Qty.	10 pc(s).

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Technical data

Dimensions and weights

Width	6 mm	Height	91 mm
Depth	63.5 mm	Weight	27.46 g
Net weight	24.8 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	55 V	Protection level on output side Wire-wire 8/20 μs, typically	65 V
Protection level on output side Wire-PE 1kV/μs, typically	55 V	Protection level on output side Wire-PE 8/20 μs, typically	65 V

Protective elements

Gas discharge tube	No
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technical data

Rated voltage (DC)	24 V	Rated current	13 A
Rated voltage	24 V	Rated voltage (DC), max.	30 V
Max. continuous voltage, U _c (AC)	30 V	Operating current, I _{max}	13 A
Fuse, max.	10 A	Discharge current, max. (8/20 μs)	112 A
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
Response time	≤ 100 ps	Operating voltage	26 V
Volume resistance	0.20 Ω	Capacitance	1 nF
Cross-section	1.5 mm ²		

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

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ETIM 2.0	EC000943	ETIM 3.0	EC000943
UNSPSC	30-21-18-11	eClass 4.1	27-14-11-27
eClass 5.1	27-14-11-27	eClass 6.2	27-13-08-02
eClass 7.1	27-13-08-02		

Approvals

Approvals



ROHS

Conform

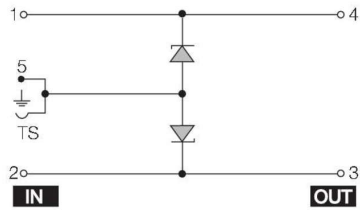
DownloadsDeclaration of Conformity [K177_02_12.pdf](#)
[3-D model](#)

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Drawings

Electric symbol



Circuit diagram