

MCZ SERIES
MCZ OVP TAZ DIODE 24VUC

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
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Germany
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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

Type	MCZ OVP TAZ DIODE 24VUC
Order No.	8449160000
Version	MCZ SERIES, Surge protection for instrumentation and control, 24 V, 24 V, 27 V, 13 A
GTIN (EAN)	4008190128548
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	24.5 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	110 V	Protection level on output side Wire-PE 8/20 μs, typically	130 V

Protective elements

Gas discharge tube	No
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technical data

Rated voltage (AC)	24 V	Rated voltage (DC)	27 V
Rated current	13 A	Rated voltage	24 V
Rated voltage (AC/DC)	24 V	Rated voltage (DC), max.	26 V
Max. continuous voltage, U _c (AC)	27 V	Operating current, I _{max}	13 A
Fuse, max.	10 A	Discharge current, max. (8/20 μs)	0.5 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	130 V
Colour	Black	AC/DC/UC	AC/DC
Response time	≤ 100 ps	Operating voltage	26 V
Volume resistance	0.20 Ω	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

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	27-13-08-02		

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Technical data**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
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Downloads

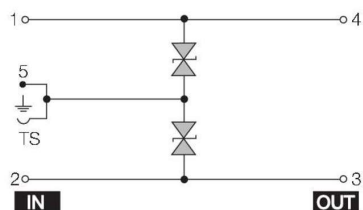
Declaration of Conformity	CE document
3-D model	

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Drawings

Electric symbol



Circuit diagram