

MCZ SERIES
MCZ OVP HF 5V 0,3A**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

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www.weidmueller.com



Surge protection for fast analogue instrumentation circuits

- 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 HF 5V 0,3A
Order No.	8948620000
Version	MCZ SERIES, Surge protection for instrumentation and control, 0.5 A
GTIN (EAN)	4032248738878
Qty.	10 pc(s).

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Technical data

Dimensions and weights

Width	6 mm	Width (inches)	0.236 inch
Height	91 mm	Height (inches)	3.583 inch
Depth	63.5 mm	Depth (inches)	2.5 inch
Net weight	27.2 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	IP20	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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Rated data IEC / EN

Discharge current, max. (8/20 µs)	5 kA	Fuse	0.5 A
Limiting frequency (-3 dB) at load resistance	100 MHz (measured in 100-Ω system)	Max. continuous voltage, U _c (AC)	7 V
Operating current, I _{max}	0.3 A	Operating voltage	7 V
Protection level on output side Wire-PE 1kV/µs, typically	15 V	Protection level on output side Wire-PE 8/20 µs, typically	30 V
Protection level on output side Wire-wire 1 kV/µs, typically	15 V	Protection level on output side Wire-wire 8/20 µs, typically	15 V
Rated current I _N	0.5 A	Rated voltage (AC)	5 V
Rated voltage (DC)	5 V	Rated voltage (DC), max.	10 V
Requirements category acc. to IEC 61643-21	D1, C3, C2, C1	Response time	≤ 100 ps
Voltage type	AC/DC	Volume resistance	2.50 Ω

Connection data

Wire connection method	Spring connection	Type of connection	Tension clamp connection
Stripping length, rated connection	8 mm	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 AWG, min.	AWG 26	Wire connection cross section AWG, max.	AWG 16
Wire cross-section, solid, min.	0.5 mm ²	Wire cross-section, solid, max.	1.5 mm ²
Wire connection cross-section, finely stranded, min.	0.5 mm ²	Wire connection cross section, finely stranded, max.	1.5 mm ²
Wire cross-section, finely stranded, min. (AWG)	AWG 26	Wire cross-section, finely stranded, max. (AWG)	AWG 16
Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	0.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	1.5 mm ²
Conductor cross-section, flexible, AEH (DIN 46228-1), min.	0.5 mm ²	Conductor cross-section, flexible, AEH (DIN 46228-1), max.	1.5 mm ²
Blade size	0.6 x 3.5 mm		

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Classifications

ETIM 3.0	EC000943	ETIM 4.0	EC000381
ETIM 5.0	EC000381	ETIM 6.0	EC000943
UNSPSC	30-21-18-01	eClass 5.1	27-14-11-27
eClass 6.2	27-13-08-02	eClass 7.1	27-37-16-04
eClass 8.1	27-37-16-04	eClass 9.0	27-37-16-04
eClass 9.1	27-13-08-07		

Product information

Descriptive text accessories	End plate AP MCZ 1,5 SW: 1046410000
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Approvals

Approvals



ROHS	Conform
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Downloads

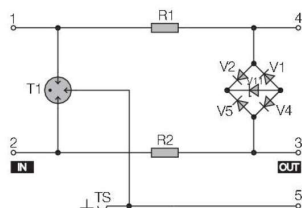
Approval/Certificate/Document of Conformity	CE PAPER
Brochure/Catalogue	CAT 4.4 ELECTR 16/17 EN
Engineering Data	EPLAN, WSCAD
User Documentation	Instruction sheet

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Drawings

Electric symbol



Circuit diagram

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Accessories

End bracket



Klippon® Connect with clamping yoke Technology

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easier and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
EW 35	0383560000	Accessories, End bracket	4008190181314	50 pc(s).

Slotted screwdriver



VDE insulated slot-head screwdriver, SDI DIN 7437, ISO 2380/2, drive output acc. to DIN 5264, ISO 2380/1. SoftFinish grip

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
SDIS 0.6X3.5X100	9008390000	Screwdriver, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade thickness (A): 0.6 mm	4032248056354	1 pc(s).

TS 35



Building installation wiring

For building installations, we offer a complete system that revolves around the 10×3 copper rail and comprises perfectly coordinated components: from installation terminal blocks, neutral conductor terminal blocks and distribution terminal blocks to comprehensive accessories such as busbars and busbar holders.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
TS 35X15/2.3 2M/ST/ZN	0498000000	Mounting rail, TS 35, TS 35 x 15, without slot, Steel,	4008190042493	2 m

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Accessories

		galvanized, chromium-plated, 2000 mm
TS 35X7.5	0383400000	Mounting rail, TS 35, TS 35 4008190088026 2 m
2M/ST/ZN		x 7.5, without slot, Steel, galvanized, chromium-plated, 2000 mm

MCZ 5 - small housings with 5 tension clamp connections



Open miniature housing in modular terminal format with five tension clamp connections. A transparent hinged top plate can be used for labelling and provides access to potentiometer and status displays. Plug-in cross-connectors can be used to interconnect the three top connections. A cover plate for closing off the housing is also available.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
AP MCZ1.5	1046410000	End plate, MCZ SERIES	4032248782246	50 pc(s).
SW		Black, End plate, Width: 1.5 mm		