

MCZ SERIES
MCZ OVP SL 24VDC 0,5A**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

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 SL 24VDC 0,5A
Order No.	8448940000
Version	MCZ SERIES, Surge protection for instrumentation and control, 0.5 A
GTIN (EAN)	4032248022816
Qty.	10 pc(s).

Creation date May 1, 2020 7:31:43 AM CEST

Catalogue status 17.04.2020 / We reserve the right to make technical changes.

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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	23.7 g		

Temperatures

Operating temperature, max.	60 °C	Operating temperature, min.	-40 °C
Storage temperature, max.	85 °C	Storage temperature, min.	-40 °C
Operating temperature	-40 °C...60 °C	Storage temperature	-40 °C...85 °C

Environmental Product Compliance

REACH SVHC Lead 7439-92-1

Rated data UL

Certificate No. (UL) E311081

General data

Colour	black	Design	Terminal
Height with TS 35	63.5 mm	Protection degree	IP20
Rail	TS 35	Segment	Measurement - Monitoring - Setting
UL 94 flammability rating	V-0	Version	Surge protection for measurement and control

Insulation coordination acc. to EN 50178

Pollution severity	2	Surge voltage category	III
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Rated data IEC / EN

Rated voltage (DC)	24 V	Rated voltage (DC), max.	28 V
Voltage type	DC	Max. continuous voltage, U _c (AC)	28 V
Discharge current, max. (8/20 μs)	5 kA	Discharge current, I _{imp} (10/350 μs)	1 kA
Lightning test current I _{imp} (10/350 μs)	1 kA	Fuse	0.5 A
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
Protection level on output side Wire-wire 1 kV/μs, typically	80 V	Protection level on output side Wire-wire 8/20 μs, typically	130 V
Inductance L and L1	75 μH	Limiting frequency (-3 dB) at load resistance	500 kHz 240 Ω
Load resistance (for limiting frequency)	240 Ω	Operating current, I _{max.}	0.5 A
Operating voltage	28 V	Rated current I _N	0.5 A
Requirements category acc. to IEC 61643-21	D1	Response time	≤ 100 ps
Volume resistance	2.50 Ω		

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Technical data

Connection data

Cross-section	1.5 mm ²	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, min.	0.5 mm ²
Clamping range, 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	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, 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

Classifications

ETIM 6.0	EC000943	ETIM 7.0	EC000943
eClass 9.0	27-13-08-07	eClass 9.1	27-13-08-07
eClass 10.0	27-13-08-07	UNSPSC	30-21-18-11

Approvals

Approvals



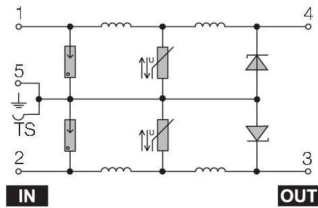
ROHS Conform

Downloads

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

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Drawings**Electric symbol**

Circuit diagram

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Accessories

End bracket



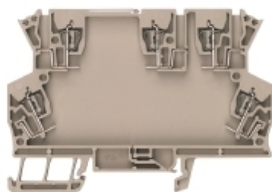
Klippon® Connect with clamping yoke Technology

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

Endplates



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	AP MCZ1.5 SW 1683	Version
Order No.	1046410000	End plate, OMNIMATE Housing - TERMINALBOX black, End plate,
GTIN (EAN)	4032248782246	Width: 1.5 mm
Qty.	50 pc(s).	

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Accessories

TS 35



General ordering data

Type	TS 35X7.5 2M/ST/ZN	Version
Order No.	0383400000	Rail, TS 35, TS 35 x 7.5, without slot, Steel, galvanic zinc plated and passivated
GTIN (EAN)	4008190088026	
Qty.	2 m	
Type	TS 35X15/2.3 2M/ST/ZN	Version
Order No.	0498000000	Rail, TS 35, TS 35 x 15, without slot, Steel, galvanic zinc plated and passivated
GTIN (EAN)	4008190042493	
Qty.	2 m	

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