

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

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Version	MCZ SERIES, Surge protection for instrumentation and control, 0.5 A
Order No.	8823280000
Type	MCZ OVP SL FG 24VUC 0,5A
GTIN (EAN)	4032248524358
Qty.	10 pc(s).

Creation date March 29, 2021 11:22:40 PM CEST

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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Technical data**Dimensions and weights**

Depth	63.5 mm	Depth (inches)	2.5 inch
Height	91 mm	Height (inches)	3.583 inch
Net weight	27.2 g	Width	6 mm
Width (inches)	0.236 inch		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-40 °C...60 °C
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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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

Dielectric strength at FG against PE	≥ 500 V	Discharge current, I_{imp} (10/350 μs)	1 kA
Discharge current, max. (8/20 μs)	5 kA	Fuse	0.5 A
Inductance L and L1	35 μH	Lightning test current I_{imp} (10/350 μs)	1 kA
Limiting frequency (-3 dB) at load resistance	500 kHz 240 Ω	Load resistance (for limiting frequency)	240 Ω
Max. continuous voltage, U_c (AC)	28 V	Operating current, I_{max}	0.5 A
Operating voltage	38 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	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	Rated current I_N	0.5 A
Rated voltage (AC)	24 V	Rated voltage (DC)	24 V
Rated voltage (DC), max.	38 V	Requirements category acc. to IEC 61643-21	D1
Response time	≤ 100 ps	Voltage type	AC/DC
Volume resistance	1.00 Ω		

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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 cross-section, solid, min. (AWG)	AWG 26
Wire cross-section, solid, max. (AWG)	AWG 16	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	ECLASS 11.0	27-13-08-07

Approvals

Approvals



ROHS

Conform

Downloads

Approval/Certificate/Document of Conformity	CE PAPER Declaration of Conformity
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD
User Documentation	Instruction sheet

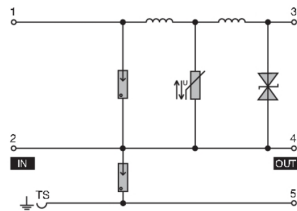
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Drawings

Electric symbol



Circuit diagram