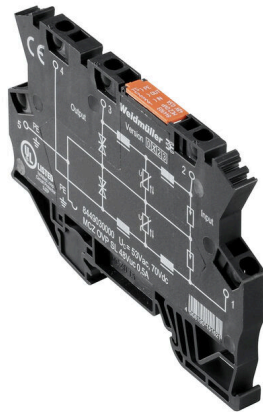


MCZ OVP SL 48VUC 0,5A

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	Surge protection for instrumentation and control, Surge protection for measurement and control
Order No.	8449030000
Type	MCZ OVP SL 48VUC 0,5A
GTIN (EAN)	4008 19015162 1
Qty.	10 items

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (UL) E311081

Dimensions and weights

Depth	63.5 mm	Depth (inches)	2.5 inch
Height	91 mm	Height (inches)	3.5827 inch
Width	6 mm	Width (inches)	0.2362 inch
Net weight	23.7 g		

Temperatures

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

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	7a
REACH SVHC	Lead 7439-92-1
SCIP	c9db83e7-2b25-44e1-8d26-da64d426373f

Rated data UL

Certificate No. (UL)	E311081
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General data

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

Insulation coordination acc. to EN 50178

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

Discharge current, Iimp (10/350 µs)	1 kA	Rated voltage (AC)	48 V
Rated voltage (DC), max.	70 V	Rated voltage (DC)	48 V
Rated current I _N	0.5 A	Protection level on output side Wire-wire	160 V 1 kV/µs, typically
Protection level on output side Wire-PE	82 V 1kV/µs, typically	Protection level on output side Wire-wire	300 V 8/20 µs, typically
Protection level on output side Wire-PE	150 V 8/20 µs, typically	Voltage type	AC/DC
Fuse protection	0.5 A	Response time / fallback time	≤ 100 ps
Operating voltage	48 V	Volume resistance	2.50 Ω
Operating current, I _{max} .	0.5 A	Lightning test current Iimp (10/350 µs)	1 kA

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Discharge current, max. (8/20 µs)	5 kA	Requirements category acc. to IEC 61643-21	D1
Load resistance (for limiting frequency)	240 Ω	Limiting frequency (-3 dB) at load resistance	500 kHz 240 Ω
Max. continuous voltage, U _c (AC)	53 V	Inductance L and L1	75 µH

Connection data

Stripping length	8 mm	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		

Electrical data

Voltage type	AC/DC
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General data

Protection degree	IP20	Colour	black
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Classifications

ETIM 8.0	EC000943	ETIM 9.0	EC000943
ETIM 10.0	EC000943	ECLASS 14.0	27-17-15-01
ECLASS 15.0	27-17-15-01		

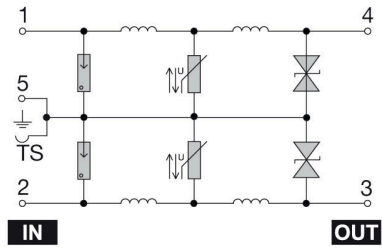
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Drawings

Electric symbol



Circuit diagram