

**MCZ OVP SL 24VDC 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.	<a href="#">8448940000</a>
Type	MCZ OVP SL 24VDC 0,5A
GTIN (EAN)	4032248022816
Qty.	10 pc(s).

Creation date November 26, 2024 12:23:23 PM CET

Catalogue status 26.11.2024 / We reserve the right to make technical changes.

## MCZ OVP SL 24VDC 0,5A

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

### Dimensions and weights

Depth	63.5 mm	Depth (inches)	2.5 inch
Height	91 mm	Height (inches)	3.583 inch
Width	6 mm	Width (inches)	0.236 inch
Net weight	23.7 g		

### Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-40 °C...60
---------------------	----------------	-----------------------	-------------

### Rated data UL

Certificate No. (UL)	E311081
----------------------	---------

### General data

Protection degree	IP20	Colour	black
-------------------	------	--------	-------

### Insulation coordination acc. to EN 50178

Pollution severity	2	Surge voltage category	III
--------------------	---	------------------------	-----

### Rated data IEC / EN

Discharge current, $I_{imp}$ (10/350 $\mu$ s)	1 kA	Discharge current, max. (8/20 $\mu$ s)	5 kA
Fuse	0.5 A	Inductance L and L1	75 $\mu$ H
Lightning test current $I_{imp}$ (10/350 $\mu$ s)	1 kA	Limiting frequency (-3 dB) at load resistance	500 kHz 240 $\Omega$
Load resistance (for limiting frequency)	240 $\Omega$	Max. continuous voltage, $U_c$ (AC)	28 V
Operating current, $I_{max}$	0.5 A	Operating voltage	28 V
Protection level on output side Wire-PE 1kV/ $\mu$ s, typically	40 V	Protection level on output side Wire-PE 8/20 $\mu$ s, typically	65 V
Protection level on output side Wire-wire 1 kV/ $\mu$ s, typically	80 V	Protection level on output side Wire-wire 8/20 $\mu$ s, typically	130 V
Rated current $I_N$	0.5 A	Rated voltage (DC)	24 V
Rated voltage (DC), max.	28 V	Requirements category acc. to IEC 61643-21	D1
Response time	$\leq$ 100 ps	Voltage type	DC
Volume resistance	2.50 $\Omega$		

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

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Technical data****Connection data**

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

**Electrical data**

Voltage type	DC
--------------	----

**Classifications**

ETIM 6.0	EC000943	ETIM 7.0	EC000943
ETIM 8.0	EC000943	ETIM 9.0	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
ECLASS 12.0	27-17-90-90	ECLASS 13.0	27-17-90-90
ECLASS 14.0	27-17-90-90		

**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

**Approvals**

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (UL)	E311081

Creation date November 26, 2024 12:23:23 PM CET

Catalogue status 26.11.2024 / We reserve the right to make technical changes.

3

**Data sheet****MCZ OVP SL 24VDC 0,5A**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

[www.weidmueller.com](http://www.weidmueller.com)

**Technical data****Downloads**

---

Approval/Certificate/Document of Conformity	<a href="#">EU Konformitätserklärung / EU Declaration of Conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
User Documentation	<a href="#">Beipackzettel / Instruction sheet</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	

---

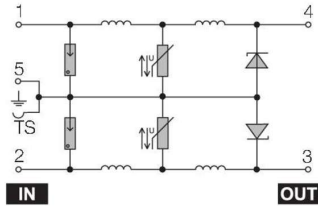
**MCZ OVP SL 24VDC 0,5A**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

[www.weidmueller.com](http://www.weidmueller.com)

Drawings

Electric symbol



Circuit diagram