

**MCZ SERIES**  
**MCZ OVP CL 230VUC 1,25A****Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
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**

Order No.	<a href="#">8449080000</a>
Type	MCZ OVP CL 230VUC 1,25A
Version	MCZ SERIES, Surge protection for instrumentation and control, 230 V, Surge protection for measurement and control
GTIN (EAN)	4032248111671
Qty.	10 pc(s).

## MCZ SERIES

### MCZ OVP CL 230VUC 1,25A

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

## Technical data

### Dimensions and weights

Width	6 mm	Height	91 mm
Depth	63.5 mm	Weight	27.46 g
Net weight	25.4 g		

### Temperatures

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

### General data

Design	Terminal	Segment	Instrumentation and Control
UL 94 flammability rating	V-0		

### Insulation coordination acc. to EN 50178

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

### Interference voltage

Protection level on output side Wire-wire 1 kV/μs, typically	420 V	Protection level on output side Wire-wire 8/20 μs, typically	710 V
Protection level on output side Wire-PE 1kV/μs, typically	420 V	Protection level on output side Wire-PE 8/20 μs, typically	710 V

### Protective elements

Gas discharge tube	Yes
--------------------	-----

### Technical data

AC/DC/UC	AC/DC	Colour	Black
Cross-section	1.5 mm <sup>2</sup>	Discharge current, max. (10/350 μs)	2.5 kA
Inductance L and L1	35 μH	Limiting frequency (-3 dB) at load resistance	500 kHz 240 Ω
Operating voltage	320 V	Protection level on output side Wire-PE 8/20 μs, typically	710 V
Protection level on output side Wire-wire 8/20 μs, typically	710 V	Rated voltage (AC/DC)	230 V
Rated voltage (DC), max.	342 V	Rated voltage (AC)	230 V
Requirements category acc. to IEC 61643-21	D1	Volume resistance	1.00 Ω
Rated current	1.25 A	Rated voltage	230 V
Rated voltage (DC)	230 V	Max. continuous voltage, U <sub>c</sub> (AC)	250 V
Operating current, I <sub>max</sub>	1.25 A	Lightning test current I <sub>imp</sub> (10/350 μs)	0.5 kA
Discharge current, max. (8/20 μs)	5 kA	Sparkover time / Drop-out time	≤ 100 ps
Fusing	1.3 A		

### Connection data

Clamping range, rated connection	1.5 mm <sup>2</sup>	Clamping range, rated connection, min.	0.5 mm <sup>2</sup>
Clamping range, rated connection, max.	1.5 mm <sup>2</sup>	Wire connection cross section, finely stranded, max.	1.5 mm <sup>2</sup>

**MCZ SERIES  
MCZ OVP CL 230VUC 1,25A****Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com**Technical data****Classifications**

ETIM 2.0	EC000943	ETIM 3.0	EC000943
UNSPSC	30-21-18-11	eClass 4.1	27-14-11-27
eClass 5.1	27-14-11-27	eClass 6.0	27-13-08-02
eClass 7.0	27-13-08-02		

**Approvals**

Approvals

**Downloads**Declaration of Conformity [K177\\_03\\_09.pdf](#)  
[3-D model](#)

**MCZ SERIES  
MCZ OVP CL 230VUC 1,25A**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
[www.weidmueller.com](http://www.weidmueller.com)

**Drawings****Electric symbol**