

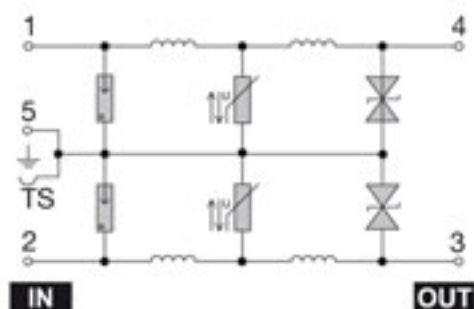
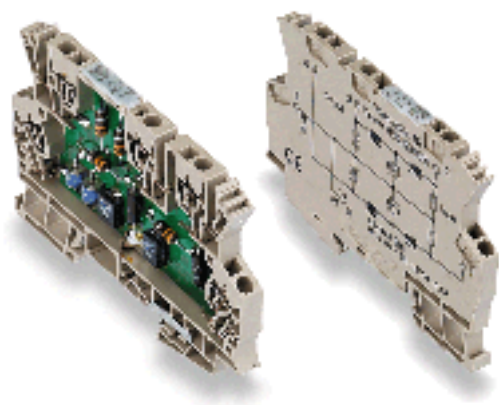
## Excellent Integrated System Limited

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[Weidmüller](#)  
[8449030000](#)

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[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)


**General ordering data**

Order No.	8449030000
Part designation	MCZ OVP SL 48VUC 0,5A
Version	Surge protection for instrumentation and control, {Reference (AttributeDefinition) not found: pattr2500833906422}, Rated voltage: 48 V
EAN	4008190151621
Qty.	10 pc(s).

**Clamped conductors**

Flexible w. ferrule, min. (DIN 46228-1)	0.5 mm <sup>2</sup>
Flexible, max.	1.5 mm <sup>2</sup>
Flexible, min.	0.5 mm <sup>2</sup>
Rated cross-section for solid/flexible with ferrule	1.5 mm <sup>2</sup>
Rated cross-section, max. ferrules	1 mm <sup>2</sup>
Type of connection	Tension clamp connection

**General data**

Design	Terminal
Storage temperature	-40 ... 85°C
Ambient temperature (operational)	-40 ... 60°C

**Insulation coordination acc. to EN 50178**

Overvoltage category	III
Pollution severity	2

**Interference voltage**

Protection level on output side sym., input 1 kV/ µs, typ.	160 V
Protection level on output side sym., input 8/20 µs, 300 V typ.	
Protection level on output side unsym., input 1kV/ µs, typ.	82 V
Protection level on output side unsym., input 8/20 µs, typ.	150 V

## Interference voltage

### Technical data

Limiting frequency (-3 dB) at load resistance	500 kHz 240 Ω
Rated voltage (AC/DC)	48 V
Rated voltage (DC), max.	70 V
Rated voltage (AC)	48 V
Volume resistance	2.5 Ω
Rated voltage, max.	53 V AC
Rated current	0.5 A
Rated voltage	48 V
Rated voltage (DC)	48 V
Max. continuous voltage, U <sub>c</sub> (AC)	53 V
Operating current, I <sub>max</sub>	0.5 A
Specification class to IEC 61643-21	D1
Lightning test current I <sub>imp</sub> (10/350 μs)	1 kA
Discharge current, max. (8/20 μs)	5 kA
Sparkover time	≤ 100 ps
Fuse, max.	0.5 A

### Dimensions

Clamping range, max.	1.5 mm <sup>2</sup>
Clamping range, min.	0.5 mm <sup>2</sup>
Clamping range, nom.	1.5 mm <sup>2</sup>
Length	91 mm
Height	63.5 mm
Width	6 mm

### Approvals

Approvals institutes



### Classifications

ETIM 2.0	EC000943
ETIM 3.0	EC000943
eClass 4.1	27-14-11-27
eClass 5.0	27-14-11-27
eClass 5.1	27-14-11-27

### Similar products

Order No.	Part designation	Version
8449000000	MCZ OVP CL 48VUC 0,5A	Surge protection for instrumentation and control, {Reference (AttributeDefinition) not found: pattr2500833906422}, Rated voltage: 48 V

8449040000	MCZ OVP CL 48VUC 1,25A	Surge protection for instrumentation and control, {Reference (AttributeDefinition) not found: pattr2500833906422}, Rated voltage: 48 V
8449050000	MCZ OVP SL 48VUC 1,25A	Surge protection for instrumentation and control, {Reference (AttributeDefinition) not found: pattr2500833906422}, Rated voltage: 48 V