



#### General ordering data

Order No.	8449090000
Part designation	MCZ OVP SL 230VUC 1,25A
Version	Surge protection for instrumentation and control, {Reference (AttributeDefinition) not found: patr2500833906422}, Rated voltage: 230 V
EAN	4008190129866
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.	840 V
Protection level on output side sym., input 8/20 μs, typ.	1,420 V
Protection level on output side unsym., input 1kV/ μs, typ.	420 V
Protection level on output side unsym., input 8/20 μs, typ.	710 V

## Interference voltage

### Technical data

Limiting frequency (-3 dB) at load resistance	500 kHz 240 Ω
Rated voltage (AC/DC)	230 V
Rated voltage (DC), max.	342 V
Rated voltage (AC)	230 V
Volume resistance	1 Ω
Rated voltage, max.	253 V AC
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
Specification class to IEC 61643-21	D1
Lightning test current I <sub>imp</sub> (10/350 μs)	< 0,5 kA
Discharge current, max. (8/20 μs)	5 kA
Sparkover time	≤ 100 ps
Fuse, max.	1.3 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
8449060000	MCZ OVP CL 115VUC 1,25A	Surge protection for instrumentation and control, {Reference (AttributeDefinition) not found: pattr2500833906422}, Rated voltage: 115 V

8449070000	MCZ OVP SL 115VUC 1,25A	Surge protection for instrumentation and control, {Reference (AttributeDefinition) not found: pattr2500833906422}, Rated voltage: 115 V
8449080000	MCZ OVP CL 230VUC 1,25A	Surge protection for instrumentation and control, {Reference (AttributeDefinition) not found: pattr2500833906422}, Rated voltage: 230 V