



#### General ordering data

Order No.	8448940000
Part designation	MCZ OVP SL 24VDC 0,5A
Version	Surge protection for instrumentation and control, {Reference (AttributeDefinition) not found: pattr2500833906422}, Rated voltage: 24 V DC
EAN	4032248022816
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/ 80 V µs, typ.	
Protection level on output side sym., input 8/20 µs, 130 V typ.	
Protection level on output side unsym., input 1kV/ 40 V µs, typ.	
Protection level on output side unsym., input 8/20 65 V µs, typ.	

## Interference voltage

### Technical data

Limiting frequency (-3 dB) at load resistance	500 kHz 240 Ω
Rated voltage (DC), max.	28 V
Volume resistance	2.5 Ω
Rated voltage, max.	28 V DC
Rated current	0.5 A
Rated voltage	24 V DC
Rated voltage (DC)	24 V
Max. continuous voltage, U <sub>c</sub> (AC)	28 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, 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
8948600000	MCZ OVP HF 24V 0,3A	Surge protection for instrumentation and control, {Reference (AttributeDefinition) not found: pattr2500833906422}
8448920000	MCZ OVP CL 24VDC 0,5A	Surge protection for instrumentation and control, {Reference (AttributeDefinition) not found: pattr2500833906422}, Rated voltage: 24 V DC
8448960000	MCZ OVP CL 24VUC 1,25A	Surge protection for instrumentation and control, {Reference (AttributeDefinition) not found: pattr2500833906422}, Rated voltage: 24 V

8448970000	MCZ OVP SL 24VUC 1,25A	Surge protection for instrumentation and control, {Reference (AttributeDefinition) not found: pattr2500833906422}, Rated voltage: 24 V
8472880000	MCZ OVP CL 24VAC 0,5A	Surge protection for instrumentation and control, {Reference (AttributeDefinition) not found: pattr2500833906422}, Rated voltage: 24 V DC
8704240000	MCZ OVP CL FG 24VAC 0,5A	Surge protection for instrumentation and control, {Reference (AttributeDefinition) not found: pattr2500833906422}, Rated voltage: 24 V
8823280000	MCZ OVP SL FG 24VAC 0,5A	Surge protection for instrumentation and control, {Reference (AttributeDefinition) not found: pattr2500833906422}, Rated voltage: 24 V
8449100000	MCZ OVP FILTER 24V 0,5A	Surge protection for instrumentation and control, {Reference (AttributeDefinition) not found: pattr2500833906422}, Rated voltage: 24 V DC
8449150000	MCZ OVP TAZ DIODE 24VDC	Surge protection for instrumentation and control, {Reference (AttributeDefinition) not found: pattr2500833906422}, Rated voltage: 24 V
8449160000	MCZ OVP TAZ DIODE 24VUC	Surge protection for instrumentation and control, {Reference (AttributeDefinition) not found: pattr2500833906422}, Rated voltage: 24 V DC
8449140000	MCZ OVP VARISTOR S10K30	Surge protection for instrumentation and control, {Reference (AttributeDefinition) not found: pattr2500833906422}, Rated voltage: 24 V
8449130000	MCZ OVP Gas charge eliminator 90V	Surge protection for instrumentation and control, {Reference (AttributeDefinition) not found: pattr2500833906422}, Rated voltage: 24 V