



#### General ordering data

|                  |  |
|------------------|--|
| Order No.        | 8448970000   |
| Part designation | MCZ OVP SL 24VUC 1,25A   |
| Version          | Surge protection for instrumentation and control, {Reference (AttributeDefinition) not found: pattr2500833906422}, Rated voltage: 24 V |
| EAN              | 4032248052998  |
| 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<br>μs, typ.  |  |
| Protection level on output side sym., input 8/20 μs, 130 V<br>typ.  |  |
| Protection level on output side unsym., input 1kV/ 40 V<br>μs, typ. |  |
| Protection level on output side unsym., input 8/20 65 V<br>μs, typ. |  |

## Interference voltage

### Technical data

|   |               |
|---|---------------|
| Limiting frequency (-3 dB) at load resistance       | 500 kHz 240 Ω |
| Rated voltage (AC/DC)                               | 24 V          |
| Rated voltage (DC), max.                            | 38 V          |
| Rated voltage (AC)                                  | 24 V          |
| Volume resistance                                   | 1 Ω           |
| Rated voltage, max.                                 | 27 V AC       |
| Rated current                                       | 1.25 A        |
| Rated voltage                                       | 24 V          |
| Rated voltage (DC)                                  | 24 V          |
| Max. continuous voltage, U <sub>c</sub> (AC)        | 28 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) | 1 kA          |
| Discharge current, max. (8/20 μs)                   | 5 kA          |
| Sparkover time                                      | ≤ 100 ps      |
| Fuse, max.  | 1.3 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 |

|            |                                   |   |
|------------|-----------------------------------|---|
| 8448940000 | MCZ OVP SL 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    |
| 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    |