

Excellent Integrated System Limited

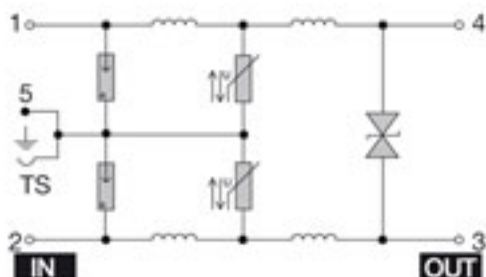
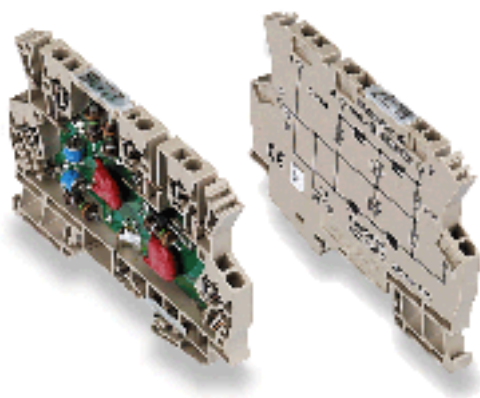
Stocking Distributor

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[Weidmüller](#)
[8449080000](#)

For any questions, you can email us directly:
sales@integrated-circuit.com

Product catalogue | Functional Electronics | Surge protection | Instrumentation and control | 3-, 2- or 1- stage protection with tension spring connection | MCZ OVP 115/230 V UC



General ordering data

| | |
|------------------|---|
| Order No. | 8449080000 |
| Part designation | MCZ OVP CL 230VUC 1,25A |
| Version | Surge protection for instrumentation and control, {Reference (AttributeDefinition) not found: pattr2500833906422}, Rated voltage: 230 V |
| EAN | 4032248111671 |
| Qty. | 10 pc(s). |

Clamped conductors

| | |
|---|--------------------------|
| Flexible w. ferrule, min. (DIN 46228-1) | 0.5 mm ² |
| Flexible, max. | 1.5 mm ² |
| Flexible, min. | 0.5 mm ² |
| Rated cross-section for solid/flexible with ferrule | 1.5 mm ² |
| Rated cross-section, max. ferrules | 1 mm ² |
| 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. | 420 V |
| Protection level on output side sym., input 8/20 μs, typ. | 710 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 |

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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 _c (AC) | 250 V |
| Operating current, I _{max} | 1.25 A |
| Specification class to IEC 61643-21 | D1 |
| Lightning test current I _{imp} (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 ² |
| Clamping range, min. | 0.5 mm ² |
| Clamping range, nom. | 1.5 mm ² |
| 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 |
| 8449090000 | MCZ OVP SL 230VUC 1,25A | Surge protection for instrumentation and control, {Reference (AttributeDefinition) not found: pattr2500833906422}, Rated voltage: 230 V |