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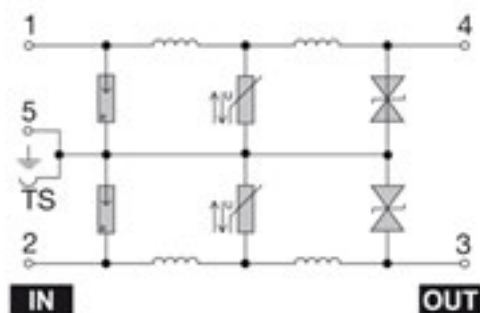
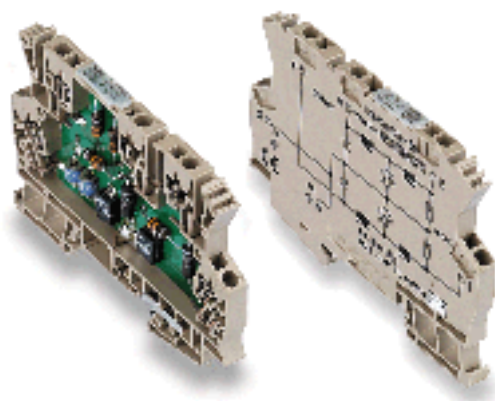
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[Weidmüller](#)
[8449070000](#)

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.	8449070000
Part designation	MCZ OVP SL 115VUC 1,25A
Version	Surge protection for instrumentation and control, {Reference (AttributeDefinition) not found: pattr2500833906422}, Rated voltage: 115 V
EAN	4008190129552
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.	440 V
Protection level on output side sym., input 8/20 µs, 720 V typ.	
Protection level on output side unsym., input 1kV/ µs, typ.	220 V
Protection level on output side unsym., input 8/20 µs, typ.	360 V

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Interference voltage

Technical data

Limiting frequency (-3 dB) at load resistance	500 kHz 240 Ω
Rated voltage (AC/DC)	115 V
Rated voltage (DC), max.	171 V
Rated voltage (AC)	115 V
Volume resistance	1 Ω
Rated voltage, max.	127 V AC
Rated current	1.25 A
Rated voltage	115 V
Rated voltage (DC)	115 V
Max. continuous voltage, Uc (AC)	127 V
Operating current, I _{max}	1.25 A
Specification class to IEC 61643-21	D1
Lightning test current I _{imp} (10/350 μs)	2.5 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

8449080000	MCZ OVP CL 230VUC 1,25A	Surge protection for instrumentation and control, {Reference (AttributeDefinition) not found: pattr2500833906422}, Rated voltage: 230 V
8449090000	MCZ OVP SL 230VUC 1,25A	Surge protection for instrumentation and control, {Reference (AttributeDefinition) not found: pattr2500833906422}, Rated voltage: 230 V