



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



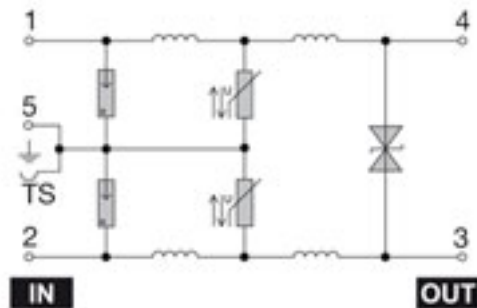
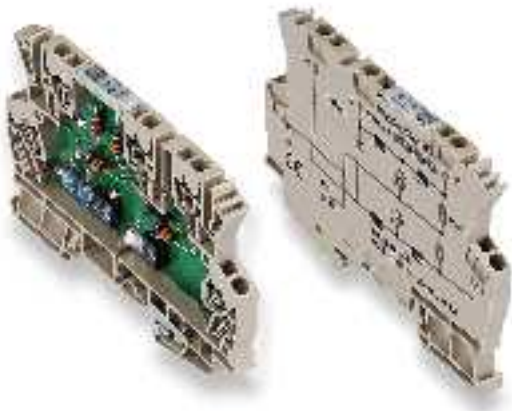
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General ordering data

Order No.	8449040000
Part designation	MCZ OVP CL 48VUC 1,25A
Version	Surge protection for instrumentation and control, {Reference (AttributeDefinition) not found: pattr2500833906422}, Rated voltage: 48 V
EAN	4032248045648
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.	82 V
Protection level on output side sym., input 8/20 μs, 150 V typ.	
Protection level on output side unsym., input 1kV/ μs, typ.	82 V
Protection level on output side unsym., input 8/20 μs, typ.	150 V

Interference voltage

Technical data

Limiting frequency (-3 dB) at load resistance	500 kHz 240 Ω
Rated voltage (AC/DC)	48 V
Rated voltage (DC), max.	70 V
Rated voltage (AC)	48 V
Volume resistance	1 Ω
Rated voltage, max.	53 V AC
Rated current	1.25 A
Rated voltage	48 V
Rated voltage (DC)	48 V
Max. continuous voltage, U _c (AC)	53 V
Operating current, I _{max}	1.25 A
Specification class to IEC 61643-21	D1
Lightning test current I _{imp} (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, 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
8449000000	MCZ OVP CL 48VUC 0,5A	Surge protection for instrumentation and control, {Reference (AttributeDefinition) not found: pattr2500833906422}, Rated voltage: 48 V

8449030000	MCZ OVP SL 48VUC 0,5A	Surge protection for instrumentation and control, {Reference (AttributeDefinition) not found: pattr2500833906422}, Rated voltage: 48 V
8449050000	MCZ OVP SL 48VUC 1,25A	Surge protection for instrumentation and control, {Reference (AttributeDefinition) not found: pattr2500833906422}, Rated voltage: 48 V