



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!



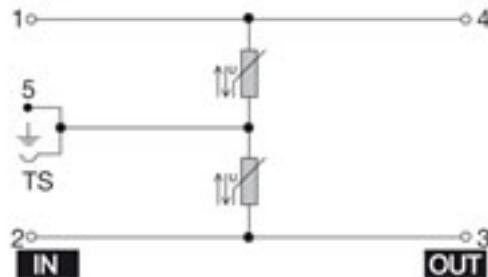
## Contact us

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#### General ordering data

Order No.	8449140000
Part designation	MCZ OVP VARISTOR S10K30
Version	Surge protection for instrumentation and control, {Reference (AttributeDefinition) not found: pattr2500833906422}, Rated voltage: 24 V
EAN	4008190124830
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	-20 ... 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.	45 V
Protection level on output side sym., input 8/20 μs, 55 V typ.	
Protection level on output side unsym., input 1kV/ μs, typ.	45 V
Protection level on output side unsym., input 8/20 μs, typ.	55 V

## Interference voltage

### Technical data

Rated voltage (AC/DC)	24 V
Rated voltage (DC), max.	38 V
Rated voltage (AC)	24 V
Volume resistance	0.2 $\Omega$
Rated voltage, max.	30 V AC
Rated current	16 A
Rated voltage	24 V
Rated voltage (DC)	24 V
Max. continuous voltage, $U_c$ (AC)	30 V
Operating current, $I_{max}$	1.25 A
Specification class to IEC 61643-21	D1
Lightning test current $I_{imp}$ (10/350 $\mu s$ )	0.5 kA
Discharge current, max. (8/20 $\mu s$ )	125 A
Sparkover time	$\leq 25$ ns
Fuse, max.	16 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
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
8449130000	MCZ OVP Gas charge eliminator 90V	Surge protection for instrumentation and control, {Reference (AttributeDefinition) not found: pattr2500833906422}, Rated voltage: 24 V