

Surge arrester

2-electrode arrester

 Series/Type:
 M50-A230XSMD

 Ordering code:
 B88069X5220T902

 Version/Date:
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Surge arrester

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Features	Applications
 Very small size 	 Branch exchange
 High current rating 	 Line protection
 Very fast response time 	 Subscriber protection
 Stable performance over life 	 Alarm system
 Very low capacitance 	
 High insulation resistance 	
 Excellent SMD handling 	
 RoHS-compatible 	

Electrical specifications

DC spark-over voltag	le ^{1) 2)}	230 ± 20	V %
Impulse spark-over v	oltage		
at 100 V/µs	- for 99 % of measured values	< 550	V
·	- typical values of distribution	< 500	V
at 1 kV/µs	- for 99 % of measured values	< 650	V
	- typical values of distribution	< 600	V
Service life			
10 operation	s 50 Hz, 1 s	5	А
1 operation	50 Hz, 0.18 s (9 cycles)	10	А
10 operation	s 8/20 µs	5	kA
1 operation	8/20 µs	10	kA
1 operation	10/350 µs	0.5	kA
Insulation resistance	at 100 V _{dc}	> 1	GΩ
Capacitance at 1 MHz		< 1	pF
Arc voltage at 1 A		~ 15	V
Glow to arc transition current		~ 0.5	A
Glow voltage		~ 60	V
Weight		~ 1	g
Operation and storage temperature		-40 +90	°C
Climatic category (IEC 60068-1)		40/ 90/ 21	
Marking, blue negative		EPCOS 230 YY O230- Nominal voltageYY- Year of productionO- Non radioactive	

1) At delivery AQL 0.65 level II, DIN ISO 2859

²⁾ In ionized mode

Terms in accordance with ITU-T Rec. K.12 and DIN 57845/VDE0845

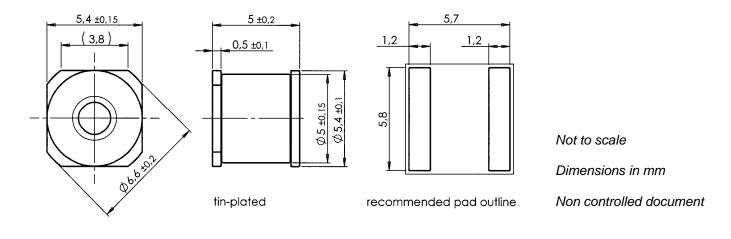


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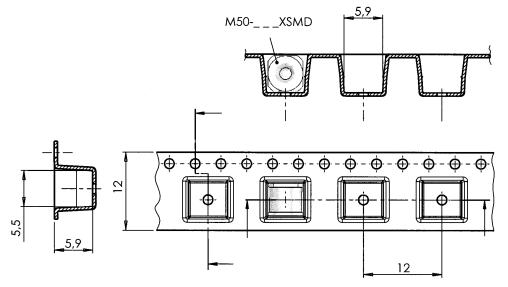
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Dimensional drawing



Packing advice

*T*902 = 900 pcs on *SMD*-tape



SMD-tape according to IEC 60286-3

Cautions and warnings

- Surge arresters must not be operated directly in power supply networks.
- Surge arresters may become hot in case of longer periods of current stress (danger of burning).
- Surge arresters may be used only within their specified values. In case of overload, the head contacts may fail or the component may be destroyed.
- Damaged surge arresters must not be re-used.

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