

Surge arrester

3-electrode arrester

Series/Type: EZ0-A90XSMD
Ordering code: B88069X6051T902

Version/Date: Issue 04 / 2011-10-21

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Surge arrester B88069X6051T902

3-electrode arrester EZ0-A90XSMD

Features

- Very small size
- Fast response time
- High current rating
- Stable performance over life
- Very low capacitance
- High insulation resistance
- Excellent SMD handling
- RoHS-compatible

Applications

- Branch exchange (MDF)
- Line protection
- Station protection

Electrical specifications

DC spark-over voltage 1) 2) 3)		90	V
		± 20	%
Impulse spark-over voltage ³⁾ at 100 V/µs - for 99 % of measured values - typical values of distribution		< 450 < 350	V
at 1 kV/µs - for 99 % of measured values - typical values of distribution		< 600 < 500	V
Service life			
10 operations	50 Hz, 1 s ⁴⁾	10	Α
1 operation	50 Hz, 0.18 s ⁴⁾	10	Α
10 operations [5x (+) 8	· · · ·	10	kA
1 operation 10/350 μs ⁴⁾		1	kA
300 operations (alternating polarity) 10/1000 µs 4)		200	Α
Insulation resistance at 50 V _{DC} ³⁾		> 1	$G\Omega$
Capacitance at 1 MHz 3)		< 1.5	pF
Transverse delay time 5)		< 0.2	μs
Arc voltage at 1 A Glow to arc transition current Glow voltage		~ 10 ~ 1 ~ 80	V A V
Weight		~ 1.0	g
Operation and storage temperature		-40 +90	°C
Climatic category (IEC 60068-1)		40/ 90/ 21	
Marking, blue negative		EPCOS EZ 90 YY O EZ - Series 90 - Nominal voltage YY - Year of production O - Non radioactive	

Remarks on next page above

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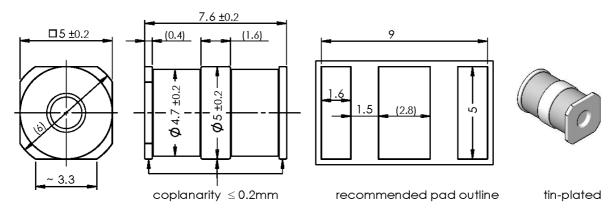
3-electrode arrester

EZ0-A90XSMD

- 1) At delivery AQL 0.65 level II, DIN ISO 2859
- 2) In ionized mode
- 3) Tip or ring electrode to center electrode
- Total current through center electrode, half value through tip respectively ring electrode.
- ⁵⁾ Test according to ITU-T Rec. K.12

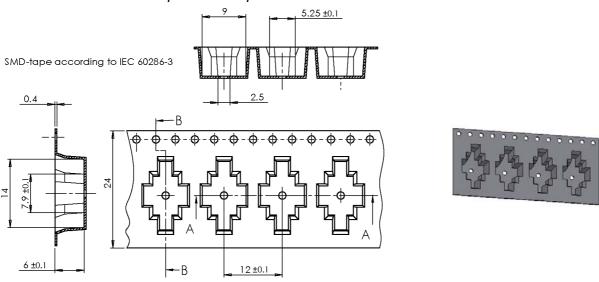
Terms in accordance with ITU-T Rec. K.12 and IEC 61663-2

Dimensional drawing in mm



Ordering code and packing advice

B88069X...**T902** = SMD-tape with 900 pcs



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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