

Surge arrester

3-electrode arrester

Series/Type: EZ0-A90XSMD Ordering code: B88069X6051T902

Version/Date: Issue 05 / 2012-05-03



Surge arrester B88069X6051T902

3-electrode arrester EZ0-A90XSMD

Features

- Extremely 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 voltag	e ^{1) 2) 3)}		90 ±20	V %
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 valuestypical values of distribution		< 600 < 500	V V
1 operation 300 operation	50 S [5x (+) & 5x (-)] 8/ 10 S (alternating polarity) 10	0 Hz, 1 s ⁴⁾ 0 Hz, 0.18 s ⁴⁾ /20 μs ⁴⁾ 0/350 μs ⁴⁾ 0/1000 μs ⁴⁾	10 10 10 1 200	A A kA kA A
Insulation resistance at 50 V _{DC} ³⁾			> 1	GΩ
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

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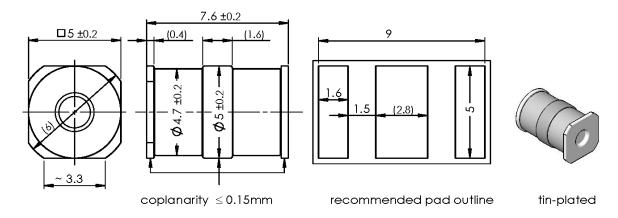
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- At delivery AQL 0.65 level II, DIN ISO 2859
- 2) In ionized mode
- Tip or ring electrode to center electrode
- ⁴⁾ Total current through center electrode, half value through tip respectively ring electrode.
- ⁵⁾ Test according to ITU-T Rec. K.12

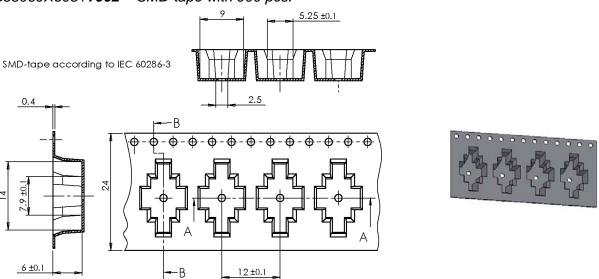
Terms in accordance with ITU-T Rec. K.12, IEC 61663-2 and IEC 61643-311.

Dimensional drawing in mm



Ordering code and packing advice

B88069X6051**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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