

Surge arrester

3-electrode arrester

Series/Type:EZ0-A230XSMDOrdering code:B88069X6881T902Version/Date:Issue 02 / 2007-09-07

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3-electrode arrester

B88069X6881T902 EZ0-A230XSMD

Features	Applications	
Extremely small size	 Branch exchange (MDF) 	
 Fast response time 	 Line protection 	
 High current rating 	 Station protection 	
Stable performance over life		
 Very low capacitance 		
 High insulation resistance 		
 Excellent SMD handling 		
 RoHS-compatible 		

Electrical specifications

DC spark-over voltage ^{1) 2) 4)}		230 ± 20	V %
Impulse spark-over voltage ⁴⁾ at 100 V/µs - for 99 % of measured values - typical values of distribution at 1 kV/µs - for 99 % of measured values - typical values of distribution		< 600 < 450 < 750 < 600	V V V V
Service life 10 operations 1 operation 10 operations [5x (+) & 5x (-)] 1 operation 300 operations (alternating polarity)	50 Hz, 1 s ⁵⁾ 50 Hz, 0.18 s ⁵⁾ 8/20 μs ⁵⁾ 10/350 μs ⁵⁾ 10/1000 μs ⁵⁾	5 5 5 1 200	A A kA kA A
Insulation resistance at 100 $V_{dc}^{4)}$		> 1	GΩ
Capacitance at 1 MHz $^{4)}$ DC holdover voltage $^{3)}$ at 135 V _{dc} / 1300 Ω		< 1.5	pF ms
Transverse delay time ³⁾		< 0.2	μs
Arc voltage at 1 A Glow to arc transition current Glow voltage		~ 10 ~ 1 ~ 80	V A V
Weight		~ 0.8	g
Operation and storage temperature		-40 +90	C
Climatic category (IEC 60068-1)		40/ 90/ 21	
Marking, blue, negative		EPCOSEZ 230 YY OEZ- Series230- Nominal voltageYY- Year of productionO- Non radioactive	

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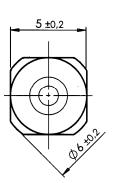
3-electrode arrester

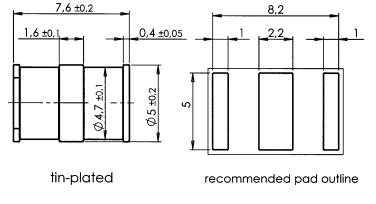
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- ¹⁾ At delivery AQL 0.65 level II, DIN ISO 2859
- ²⁾ In ionized mode
- ³⁾ Test according to ITU-T rec. K. 12
- ⁴⁾ Tip or ring electrode to center electrode
- ⁵⁾ Total current through center electrode, half value through tip respectively ring electrode

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

Dimensional drawing





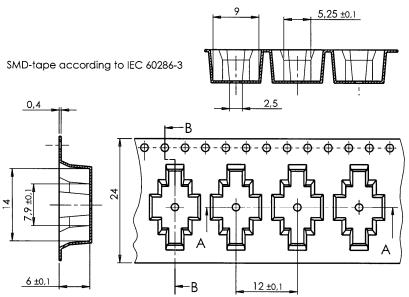
Not to scale

Dimensions in mm

Non controlled document

Packing advice

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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