

Surge arrester

3-electrode arrester

Series/Type: EZ3-A250X Ordering code: B88069X60

Ordering code: B88069X6061B502 Version/Date: Issue 02 / 2007-09-06

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3-electrode arrester EZ3-A250X

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 		
 RoHS-compatible 		

Electrical specifications

DC spark-over voltage 1) 2) 4)		250 ± 20	V %
Impulse spark-over voltage 4) at 100 V/µs - for 99 % of measure - typical values of distance at 1 kV/µs - for 99 % of measure - typical values of distance in the space of the	stribution red values	< 600 < 450 < 750 < 600	V V V
Service life 10 operations 1 operation 10 operations [5x (+) & 5x (-)] 1 operation 300 operations (alternating polarity) Insulation resistance at 100 V _{dc} 4)	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 > 1	A A kA kA A
Capacitance at 1 MHz ⁴⁾ DC holdover voltage ³⁾ at 135 V _{dc} / 1300 Ω		< 1.5 < 150	pF ms
Transverse delay time ³⁾		< 0.2	μs
Arc voltage at 1 A Glow to arc transition current Glow voltage Weight		~ 10 ~ 1 ~ 80 ~ 0.8	V A V
Operation and storage temperature		-40 +90	°C
Climatic category (IEC 60068-1)		40/ 90/ 21	
Marking, blue, negative		EPCOS EZ 250 YY O EZ - Series 250 - Nominal voltag YY - Year of product O - Non radioactive	tion

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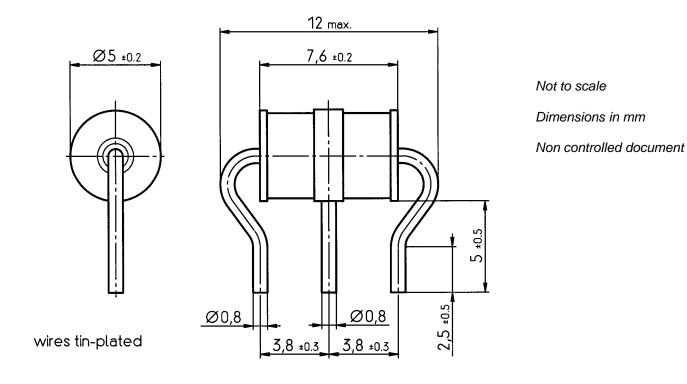
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- At delivery AQL 0.65 level II, DIN ISO 2859
- 2) In ionized mode
- Test according to ITU-T rec. K. 12
- ⁴⁾ Tip or ring electrode to center electrode
- Total current through center electrode, half value through tip respectively ring electrode

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

Dimensional drawing



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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