

Surge arrester

3-electrode arrester

EZ3-A250X

Series/Type: Ordering code: B88069X6061B502

Version/Date: Issue 02 / 2007-09-06



Surge arrester B88069X6061B502

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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	V
		± 20	%
Impulse spark-over voltage 4)			
at 100 V/µs - for 99 % of measured values		< 600	V
 typical values of distribution 		< 450	V
at 1 kV/µs - for 99 % of measured values - typical values of distribution		< 750	V
		< 600	V
Service life			
10 operations	50 Hz, 1 s ⁵⁾	5	Α
1 operation	50 Hz, 0.18 s ⁵⁾	5	Α
10 operations [5x (+) & 5x (-)]	8/20 μs ⁵⁾	5	kA
1 operation	10/350 µs ⁵⁾	1	kA
300 operations (alternating polarity)	10/1000 µs ⁵⁾	200	Α
Insulation resistance at 100 V _{dc} ⁴⁾		> 1	$G\Omega$
Capacitance at 1 MHz ⁴⁾		< 1.5	pF
DC holdover voltage 3)			
at 135 V_{dc} / 1300 Ω		< 150	ms
Transverse delay time 3)		< 0.2	μs
Arc voltage at 1 A		~ 10	V
Glow to arc transition current		~ 1	Α
Glow voltage		~ 80	V
Weight		~ 0.8	g
Operation and storage temperature		-40 + 90	$\mathcal C$
Climatic category (IEC 60068-1)		40/ 90/ 21	
Marking, blue, negative		EPCOS EZ 250 YY O EZ - Series 250 - Nominal voltage YY - Year of production O - Non radioactive	

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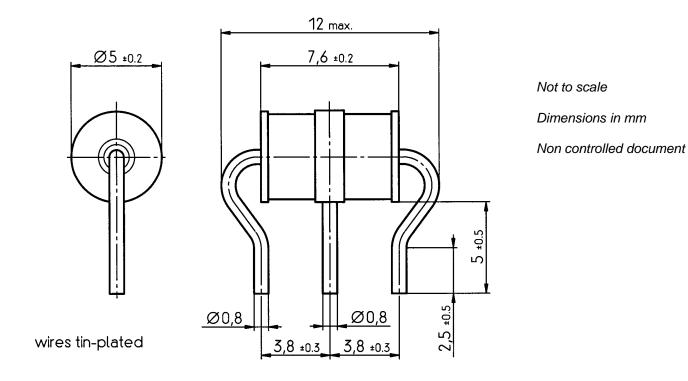
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- 1) At delivery AQL 0.65 level II, DIN ISO 2859
- 2) In ionized mode
- 3) Test according to ITU-T rec. K. 12
- 4) Tip or ring electrode to center electrode
- Total current through center electrode, half value through tip respectively ring electrode

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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