



Surge arrester

3-electrode arrester

Series/Type: EZ0-A230XSMD
Ordering code: B88069X6881T902
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Features	Applications
<ul style="list-style-type: none"> ▪ Extremely small size ▪ Fast response time ▪ High current rating ▪ Stable performance over life ▪ Very low capacitance ▪ High insulation resistance ▪ Excellent SMD handling ▪ RoHS-compatible 	<ul style="list-style-type: none"> ▪ Branch exchange (MDF) ▪ Line protection ▪ Station protection

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	< 600	V
- typical values of distribution	< 450	V
at 1 kV/μs - for 99 % of measured values	< 750	V
- typical values of distribution	< 600	V
Service life		
10 operations 50 Hz, 1 s ⁵⁾	5	A
1 operation 50 Hz, 0.18 s ⁵⁾	5	A
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	A
Insulation resistance at 100 V _{dc} ⁴⁾	> 1	GΩ
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	A
Glow voltage	~ 80	V
Weight	~ 0.8	g
Operation and storage temperature	-40 ... +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, blue, negative	EPCOS EZ 230 YY O EZ - Series 230 - Nominal voltage YY - Year of production O - Non radioactive	

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The following applies to all products named in this publication:

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