

Surge Arrester

3-Electrode-Arrester

Series/Type: T90-A230X

Ordering code: B88069X6700C253

Date: 28.05.2002 Version: Issue 04

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DC spark-over voltage 1) 2) 3)	184 276	V
DC spark-over voltage ^{2) 4)}	176 550	V
Impulse spark-over voltage at 100 V/µs - for 99 % of measured values 3) - for 50 % of measured values 3)	< 650 < 550	V
at 1 kV/µs - for 99 % of measured values 3) - for 50 % of measured values 3)	< 800 < 700	V
Insulation resistance at 100 V _{dc} ³⁾	> 1	GΩ
Capacitance at 1 MHz ³⁾	< 1.5	pF
Impulse life		
300 operations 10/1000 μs ⁵⁾	200	Α
Nominal impulse discharge current		
10 operations 8/20 μs ⁵⁾	5	kA
10 operations 8/20 μs ⁶⁾	5	kA
Nominal alternating discharge current		
10 operations 50 Hz; 1 s $^{5)}$	5	A_{rms}
10 operations 50 Hz; 1 s ⁶⁾	5	A _{rms}
DC holdover voltage $^{8)}$ at 52 V _{dc} / 260 Ω at 80 V _{dc} / 330 Ω at 135 V _{dc} / 1300 Ω	< 150 < 150 < 150	ms ms ms
Activation after reflow soldering 7)		
1 operation U _{RMS} = 600 V; 1 s	2	Α
Weight	~ 0.8	g
Storage temperature	-40 +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, blue	EPCOS 230 YY O 230 - Nominal voltage YY - Year of production O - Non radioactive	

¹⁾ At delivery AQL 0.65 level II, DIN ISO 2859

Terms in accordance with ITU-T Rec. K.12 and DIN 57845/VDE 0845

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²⁾ In ionized mode

³⁾ Tip or ring electrode to center electrode

⁴⁾ Tip to ring electrode

⁵⁾ Total current through center electrode, half value through

tip respectively ring electrode

Total current through center electrode, same value through tip respectively ring electrode

⁷⁾ Total current from ring to tip electrode

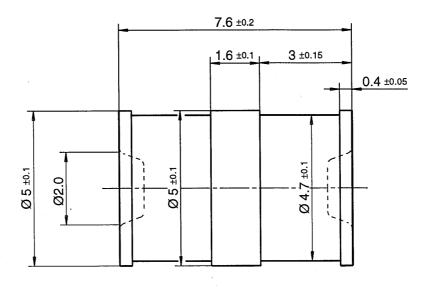
⁸⁾ Test in accordance with ITU-T Rec. K.12



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Oberfläche verzinnt / surface tin-plated

Not to scale

Dimensions in mm

Non controlled document

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