

Surge Arrester T90-A230XF

3-Electrode-Arrester

Ordering code: B88069X6710C253

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	$G\Omega$
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⁾ 10 operations 8/20 µs ⁶⁾	5 5	kA 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 hold-over voltage $^{8)}$ at $52~V_{dc}$ / $260~\Omega$ at $80~V_{dc}$ / $330~\Omega$ at $135~V_{dc}$ / $1300~\Omega$	< 150 < 150 < 150	ms ms ms
Activation after reflow soldering 7)		
1 operation $U_{RMS} = 600 \text{ V}$; 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	

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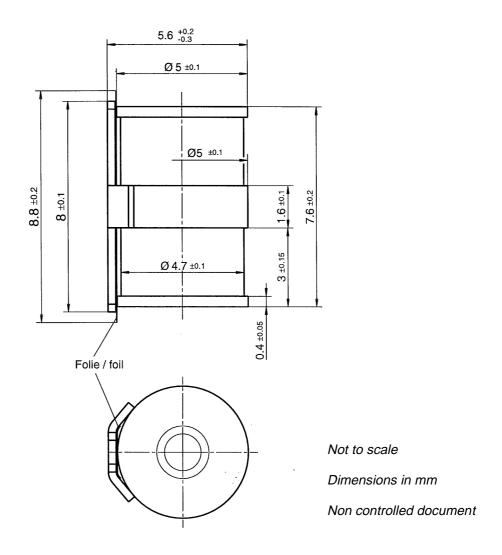
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- 1) At delivery AQL 0.65 level II, DIN ISO 2859
- 2) In ionized mode
- 3) Tip or ring electrode to center electrode
- 4) Tip to ring electrode
- Total current through center electrode, half value through tip respectively ring electrode
- Total current through center electrode, same value through tip respectively ring electrode
- 7) Total current from ring to tip electrode
- 8) Test in accordance with ITU-Rec. K.12

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

Arrester fail safe works at temperatures > 260 °C. The arrester has to be fixed mechanically, if the arrester is contacted by soldering and if the solder temperature is less than 260 °C.



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