



Surge Arrester

3-Electrode-Arrester

Series/Type:	T90-A230XF
Ordering code:	B88069X6710C253
Date:	28.05.2002
Version:	Issue 04

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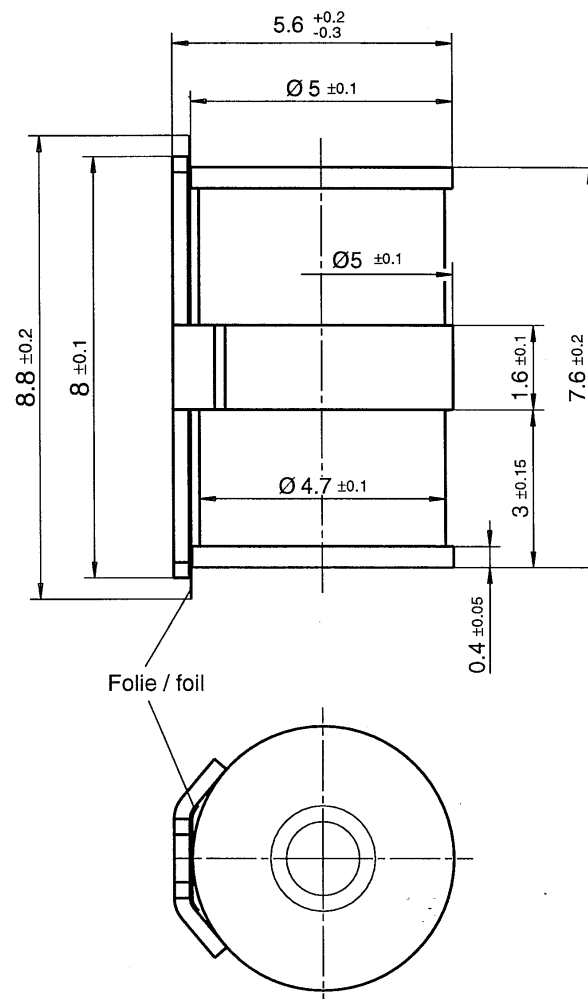
DC spark-over voltage ^{1) 2) 3)}	184 ... 276	V
DC spark-over voltage ^{2) 4)}	176 ... 550	V
Impulse spark-over voltage		
at 100 V/μs - for 99 % of measured values ³⁾	< 650	V
- for 50 % of measured values ³⁾	< 550	V
at 1 kV/μs - for 99 % of measured values ³⁾	< 800	V
- for 50 % of measured values ³⁾	< 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	A
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 hold-over voltage ⁸⁾		
at 52 V _{dc} / 260 Ω	< 150	ms
at 80 V _{dc} / 330 Ω	< 150	ms
at 135 V _{dc} / 1300 Ω	< 150	ms
Activation after reflow soldering ⁷⁾		
1 operation U _{RMS} = 600 V; 1 s	2	A
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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- 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
 - 5) Total current through center electrode, half value through tip respectively ring electrode
 - 6) 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 $> 260\text{ }^{\circ}\text{C}$. The arrester has to be fixed mechanically, if the arrester is contacted by soldering and if the solder temperature is less than $260\text{ }^{\circ}\text{C}$.



Not to scale

Dimensions in mm

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