

## **Surge Arrester**

## **3-Electrode-Arrester**

T90-A230XG

Ordering code: B88069X6660T103

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

<sup>1)</sup> At delivery AQL 0.65 level II, DIN ISO 2859

- <sup>5)</sup> Total current through center electrode, half value through
- <sup>6)</sup> Total current through center electrode, same value through tip respectively ring electrode
  <sup>6)</sup> Total current through center electrode, same value through tip respectively ring electrode

7) Total current from ring to tip electrode

<sup>8)</sup> Test in accordance with ITU-Rec. K.12

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

<sup>&</sup>lt;sup>2)</sup> In ionized mode

<sup>&</sup>lt;sup>3)</sup> Tip or ring electrode to center electrode

<sup>&</sup>lt;sup>4)</sup> Tip to ring electrode

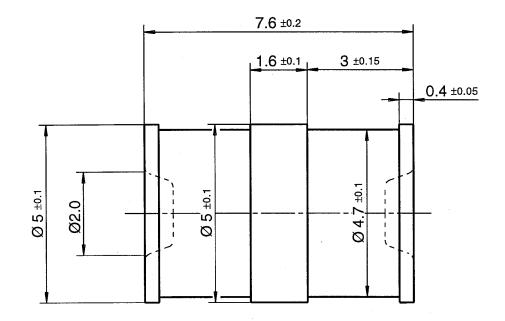


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Oberfläche verzinnt / surface tin-plated

Not to scale

Dimensions in mm

Non controlled document

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AB E / AB PM