EPCOS

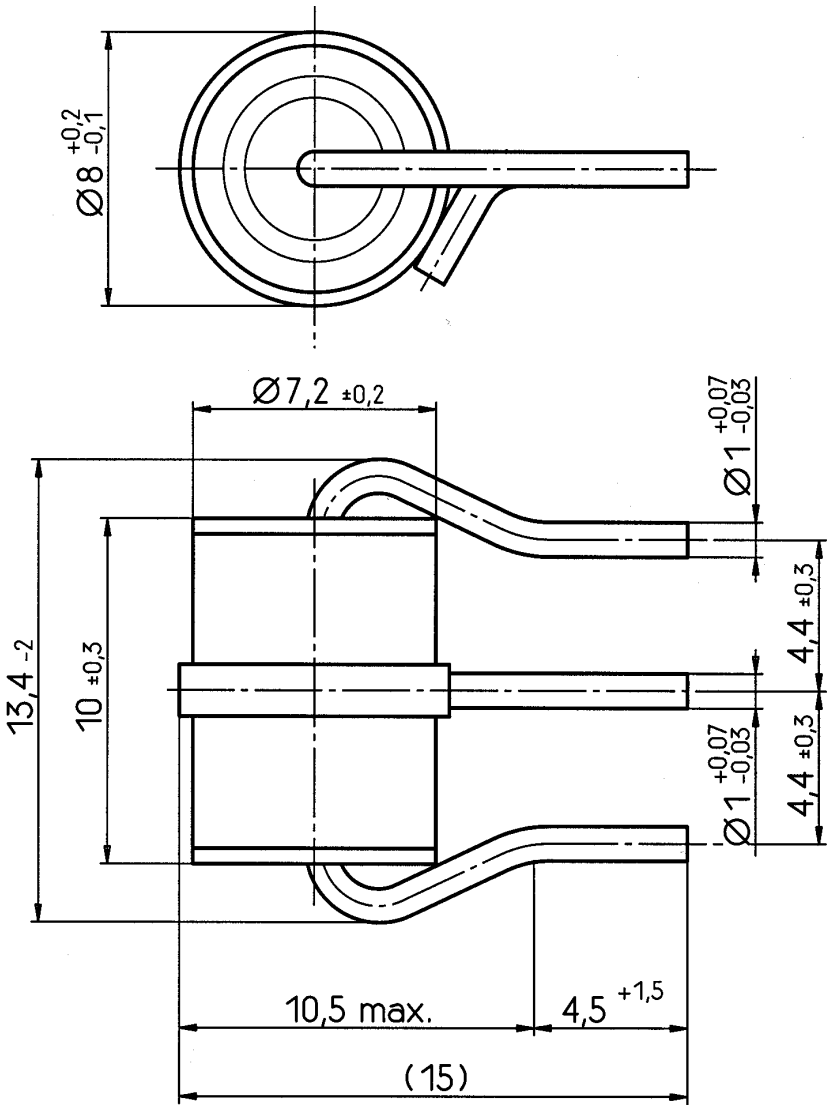
Surge Arrester **T83-A90X**

3-Electrode-Arrester **Ordering code: B88069X8300B502**

DC spark-over voltage [1) 2) 4)]	90 ± 20	V %
Impulse spark-over voltage [4)] at 100 V/µs - for 99 % of measured values - typical values of distribution at 1 kV/µs - for 99 % of measured values - typical values of distribution	 < 400 < 300 < 450 < 350	 V V V V
Nominal impulse discharge current (wave 8/20 µs) [5)] Single impulse discharge current (wave 8/20 µs) [5)]	10 15	kA kA
Nominal alternating discharge current (50 Hz, 1 s) [5)] Alternating discharge current (50 Hz, 9 cycles) [5)]	10 40	A A
Insulation resistance at 50 V_{dc} [4)]	> 10	GΩ
Capacitance at 1 MHz [4)]	< 1.5	pF
Transverse delay time [3)]	< 0.2	µs
Arc voltage at 1 A Glow to arc transition current Glow voltage	~ 10 ~ 1 ~ 60	V A V
Weight	~ 2	g
Operation and storage temperature	-40 ... +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, red	**EPCOS** **90 YY O** 90 - Nominal voltage YY - Year of production O - Non radioactive	

1) At delivery AQL 0.65 level II, DIN ISO 2859
2) In ionized mode
3) Test according to ITU-T Rec. K.12
4) Tip or ring electrode to center electrode
5) Total current through center electrode, half value through tip respectively ring electrode.

Terms in accordance with ITU-T Rec. K.12 and DIN 57845/VDE0845



Not to scale

Dimensions in mm

Non controlled document

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