

# Surge Arrester

#### **3-Electrode-Arrester**

T83-A90X

Ordering code: B88069X8300B502

DC spark-over voltage <sup>1) 2) 4)</sup>	90	V %
	± 20	70
Impulse spark-over voltage <sup>4)</sup> at 100 V/µs - for 99 % of measured values - typical values of distribution	< 400 < 300	V V
at 1 kV/µs - for 99 % of measured values - typical values of distribution	< 450 < 350	V V
Nominal impulse discharge current (wave 8/20 µs) <sup>5)</sup> Single impulse discharge current (wave 8/20 µs) <sup>5)</sup>	10 15	kA kA
Nominal alternating discharge current (50 Hz, 1 s) <sup>5)</sup> Alternating discharge current (50 Hz, 9 cycles) <sup>5)</sup>	10 40	A A
Insulation resistance at 50 $V_{dc}^{4)}$	> 10	GΩ
Capacitance at 1 MHz <sup>4)</sup>	< 1.5	pF
Transverse delay time <sup>3)</sup>	< 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	<b>EPCOS</b> <b>90 YY O</b> 90 - Nominal voltage YY - Year of production O - Non radioactive	

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

<sup>2)</sup> In ionized mode

 <sup>3)</sup> Test according to ITU-T Rec. K.12
<sup>4)</sup> 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

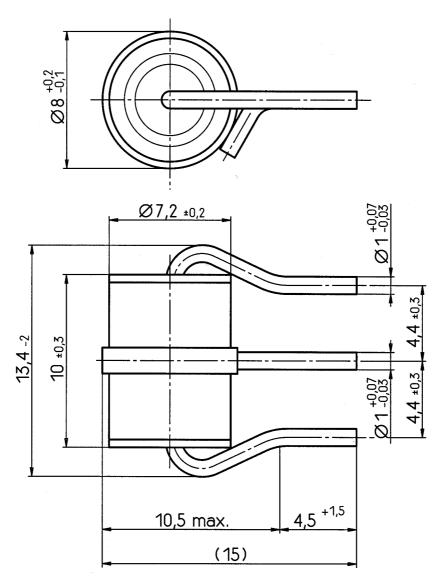


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Not to scale

Dimensions in mm

Non controlled document

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AB E / AB PM