



# Surge Arrester

## 3-Electrode-Arrester

<b>Series/Type:</b>	<b>T81-A150X</b>
<b>Ordering code:</b>	<b>B88069X9580B202</b>
<b>Date:</b>	<b>23.05.2002</b>
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# Surge Arrester

T81-A150X

## 3-Electrode-Arrester

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DC spark-over voltage <sup>1) 2) 4)</sup>	150 ± 20	V %
Impulse spark-over voltage <sup>4)</sup> 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	< 450 < 400 < 550 < 500	V V 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 12,5	kA kA
Nominal alternating discharge current (50 Hz, 1 s) <sup>5)</sup> Alternating discharge current (50 Hz, 9 cycles) <sup>5)</sup>	10 50	A A
Insulation resistance at 100 V <sub>dc</sub> <sup>4)</sup>	> 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	~ 15 ~ 0.6 ~ 60	V A V
Weight	~ 2.2	g
Operation and storage temperature	-40 ... +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, red	<b>EPCOS</b> <b>150 YY O</b> 150 - Nominal voltage YY - Year of production O - Non radioactive	

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

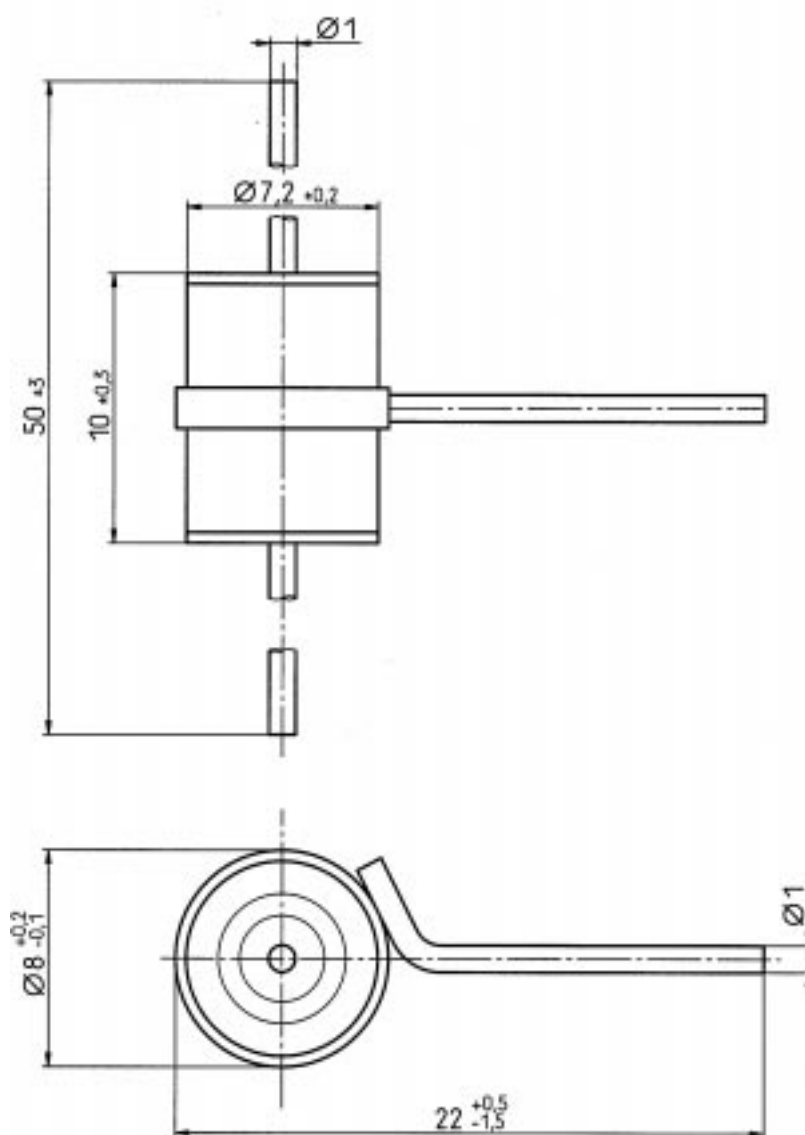
<sup>2)</sup> In ionized mode

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

<sup>4)</sup> Tip or ring electrode to center electrode

<sup>5)</sup> 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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