

Surge Arrester T90-A170XFSMD

Ordering code: B88069X5910T902

- Non radioactive

## 3-Electrode-Arrester

DC spark-over voltage 1) 2) 4) 170 V %  $\pm$  18 Impulse spark-over voltage 4) at 100 V/µs ٧ - for 99 % of measured values < 550 - typical values of distribution < 450 V - for 99 % of measured values < 700 ٧ at 1 kV/µs - typical values of distribution < 600 V Nominal impulse discharge current (wave 8/20 µs) 5) 5 kΑ Nominal alternating discharge current (50 Hz, 1 s) 5) 5 Α Insulation resistance at 100 V<sub>dc</sub> <sup>4)</sup> > 1 GΩ Capacitance at 1 MHz 4) < 1.5 pF Transverse delay time 3) < 0.2 us ~ 10 V Arc voltage at 1 A ~ 1 Glow to arc transition current Α ~ 60 ٧ Glow voltage ~ 0.8 Weight g °C Storage temperature -40 ... +90 Climatic category (IEC 60068-1) 40/90/21 Marking, blue **EPCOS** 170 YY O 170 - Nominal voltage ΥY - Year of production

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

The arrester failsafe mechanism contains a insulating foil with a melting temperature of 260  $^{\circ}\text{C}.$ 

Arrester fail safe works at temperatures > 260  $^{\circ}$ C. The arrester has to be fixed mechanically, if the arrester is contacted by soldering and if the solder temperature is less than 260  $^{\circ}$ C.

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

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

Test according to ITU-T Rec. K.12

Tip or ring electrode to center electrode

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

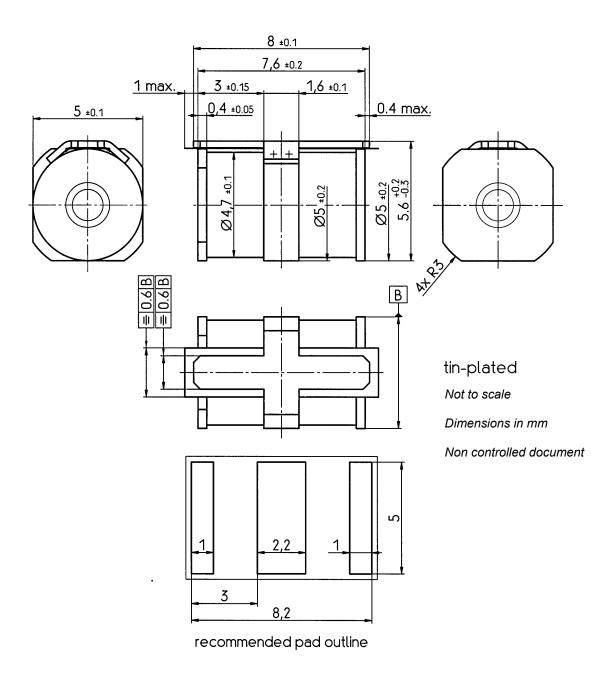
<sup>6)</sup> Total current through center electrode, same value through tip respectively ring electrode



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