

Surge Arrester T83-A230XF4

Ordering code: B88069X8870B502

## 3-Electrode-Arrester

DC spark-over voltage 1) 2) 4) 230 V ± 20 % Impulse spark-over voltage 4) at 100 V/µs - for 99 % of measured values ٧ < 450 - typical values of distribution < 400 V - for 99 % of measured values < 650 ٧ at 1 kV/µs - typical values of distribution < 600 V Nominal impulse discharge current (wave 8/20 µs) 5) 10 kΑ (wave  $8/20 \mu s$ ) 5) Single impulse discharge current 15 kΑ Nominal alternating discharge current (50 Hz, 1 s) 5) 10 Α Alternating discharge current (50 Hz, 9 cycles) 5) 40 Α Response time of failsafe mechanism at 1 A, typical < 10 s Insulation resistance at 100 V<sub>dc</sub> <sup>4)</sup> > 10 GΩ Capacitance at 1 MHz 4) < 1.5 рF Transverse delay time 3) < 0.2 μs < 25 V Arc voltage at 1 A, typical Glow to arc transition current ~ 1 Α Glow voltage ~ 200 ٧ ~ 2.2 Weight g °C -40 ... +90 Storage temperature Climatic category (IEC 60068-1) 40/90/21 Marking, red **EPCOS** 230 YY O 230 - Nominal voltage

ΥY

Year of productionNon radioactive

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

The arrester failsafe mechanism contains a solder pellet with a melting temperature between 193 and 203  $^{\circ}$ 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

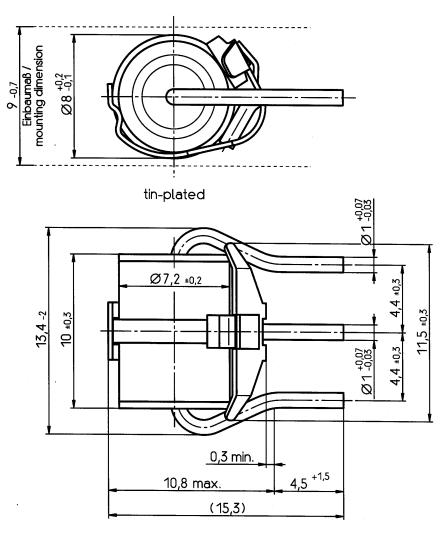
<sup>5)</sup> Total current through center electrode, half value through tip respectively ring electrode.



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Not to scale

Dimensions in mm

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