

Surge Arrester

T90-A170XFSMD

3-Electrode-Arrester

Ordering code: B88069X5910T902

DC spark-over voltage ^{1) 2) 4)}	170 ± 18	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	< 550 < 450 < 700 < 600	V V V V
Nominal impulse discharge current (wave 8/20 μs) ⁵⁾	5	kA
Nominal alternating discharge current (50 Hz, 1 s) ⁵⁾	5	A
Insulation resistance at 100 V _{dc} ⁴⁾	> 1	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	~ 0,8	g
Storage temperature	-40 ... +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, blue	EPCOS 170 YY O 170 - 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

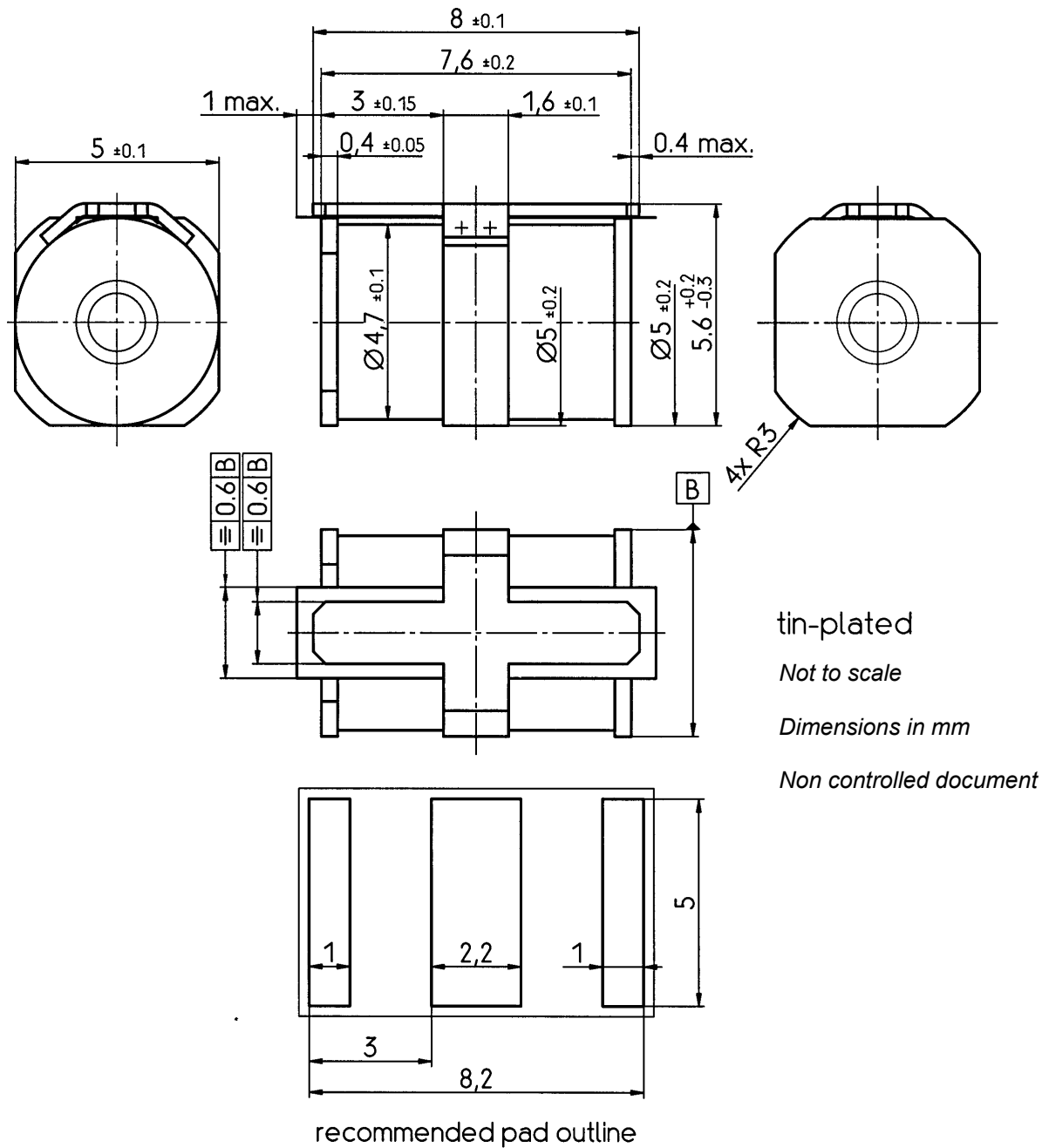
⁵⁾ Total current through center electrode, half value through tip respectively ring electrode.

⁶⁾ Total current through center electrode, same value through tip respectively ring electrode

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 °C.

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



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