

Surge Arrester

T90-A90XFSMD

3-Electrode-Arrester

Ordering code: B88069X4051T902

DC spark-over voltage ^{1) 2) 4)}	90 ± 20	V %
Impulse spark-over voltage ⁴⁾ at 100 V/μs - for 99 % of measured values ⁶⁾ - typical values of distribution ⁶⁾	< 550 < 450	V V
at 1 kV/μs - for 99 % of measured values ⁶⁾ - typical values of distribution ⁶⁾	< 700 < 600	V V
Nominal impulse discharge current (wave 8/20 μs) ^{5) 6)}	5	kA
Nominal alternating discharge current (50 Hz, 1 s) ^{5) 6)}	5	A
Insulation resistance at 50 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 90 YY O 90 - 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

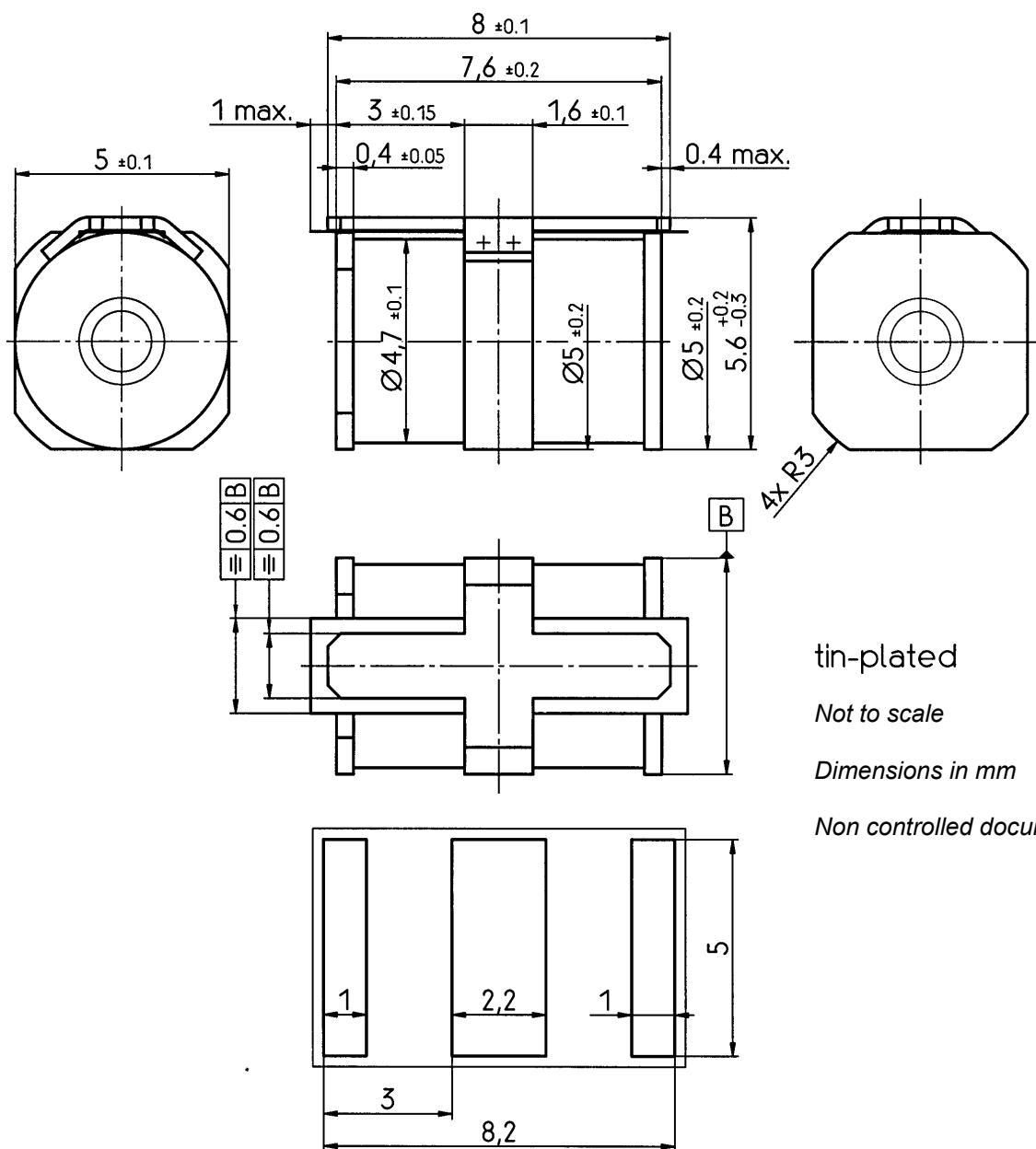
⁵⁾ Total current through center electrode, half value through tip respectively ring electrode.

⁶⁾ under test

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.

The arrester failsafe 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.



tin-plated

Not to scale

Dimensions in mm

Non controlled document

recommended pad outline

SMD-Gurtverpackung nach IEC 60286-3 /

Tape and reel packing comply with the specification of IEC 60286-3

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