



Surge Arrester

EM500X

2-Electrode-Arrester

Ordering code: B88069X2780S102

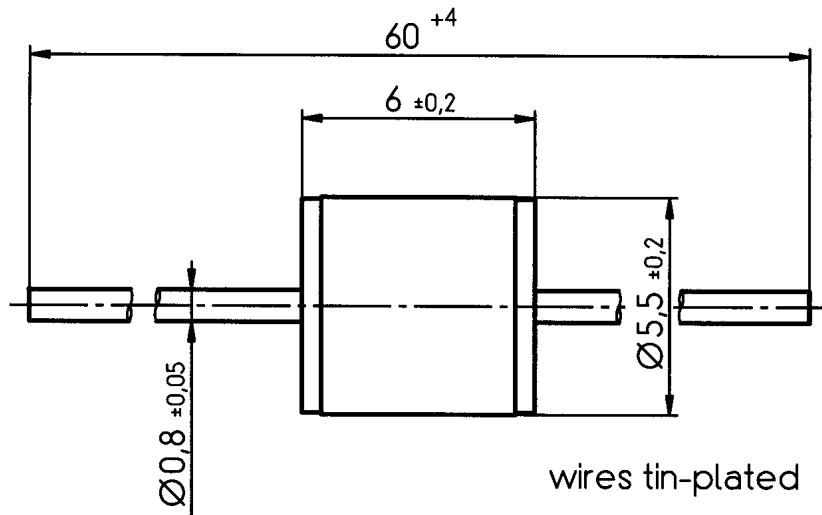
DC spark-over voltage ¹⁾²⁾	500 ± 20	V %
Impulse spark-over voltage		
at 100 V/μs - for 99 % of measured values	< 950	V
- typical values of distribution	< 800	V
at 1 kV/μs - for 99 % of measured values	< 1050	V
- typical values of distribution	< 900	V
Nominal impulse discharge current (wave 8/20 μs)	2.5	kA
Single impulse discharge current (wave 8/20 μs)	5	kA
Nominal alternating discharge current (50 Hz, 1 s)	2.5	A
Alternating discharge current (50 Hz, 9 cycles)	5	A
Insulation resistance at 100 V _{dc}	> 1	GΩ
Capacitance at 1 MHz	< 1	pF
Arc voltage at 1 A	~ 11	V
Glow to arc transition current	< 0.5	A
Glow voltage	~ 70	V
Weight	~ 1	g
Operation and storage temperature	-40 ... +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, red	EPCOSEM 500 YY O EM - Series 500 - Nominal voltage YY - Year of production O - Non radioactive	

¹⁾ At delivery AQL 0.65 level II, DIN ISO 2859

²⁾ In ionized mode

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





wires tin-plated

Not to scale

Dimensions in mm

Non controlled document



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