



Surge arrester

2-electrode arrester

Series/Type: A81-A800XP
Ordering code: B88069X5701xxxx ^{a)}
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Features	Applications
<ul style="list-style-type: none"> ▪ Small size ▪ Very fast response time ▪ Stable performance over life ▪ High insulation resistance ▪ RoHS-compatible 	<ul style="list-style-type: none"> ▪ AC power lines ▪ Class II (class C) - requirements

Electrical specifications

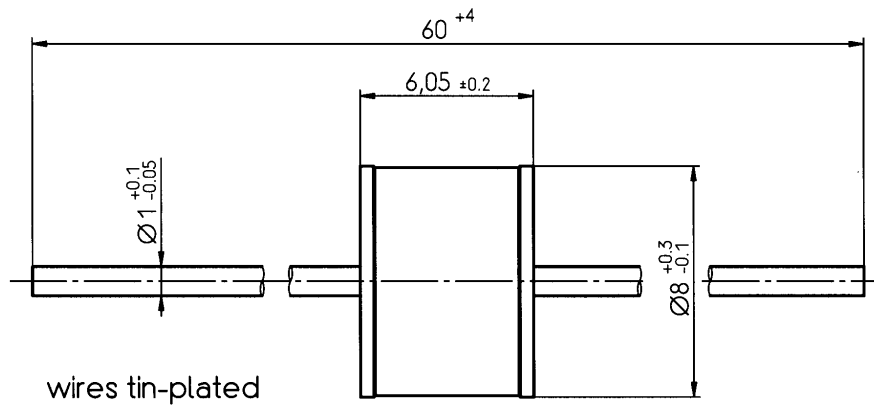
DC spark-over voltage ^{1) 2)}		> 600	V
Impulse spark-over voltage ³⁾ - at 1.2/50 μ s, 6 kV, for 99 % of measured values		< 1500	V
Response time - typical values		< 100 < 20	ns ns
Insulation resistance at 100 V _{dc}		> 1	G Ω
Class II according to EN 61643-11			
Max. continuous operating voltage at 50/60 Hz	V _c	255	V _{rms}
Nominal discharge current 8/20 μ s	I _n	10	kA
Maximum discharge current 8/20 μ s	I _{max}	20	kA
Follow current at 50/60 Hz	I _f	100	A _{rms}
Weight		~ 3	g
Operation and storage temperature		-40 ... +90	°C
Climatic category (IEC 60068-1)		40/ 90/ 21	
Marking, blue positive		EPCOS 800 YY O 800 - Nominal voltage YY - Year of production O - Non radioactive	

^{a)} xxxx = S102 (100 pcs on 5 stripes)
T502 (500 pcs on tape and reel)

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

²⁾ In darkness w/o storage

³⁾ Combination wave generator (2 Ω)

Dimensional drawing


Not to scale

Dimensions in mm

Non controlled document

Cautions and warnings

- Surge arresters must not be operated directly in power supply networks.
- Surge arresters may become hot in case of longer periods of current stress (danger of burning).
- Surge arresters may be used only within their specified values. In case of overload, the head contacts may fail or the component may be destroyed.
- Damaged surge arresters must not be re-used.

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