



Surge arrester

2-electrode arrester

Series/Type: A81-H11XPD
Ordering code: B88069X8551xxxx ^{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 line devices - class II

Electrical specifications

DC spark-over voltage ^{1) 2)}	1100 ± 30	V %
Impulse spark-over voltage ³⁾ - at 1.2/50 µs, 6 kV, for 99 % of measured values	< 2200	V
Response time - typical values	< 100 < 20	ns ns
Insulation resistance at 100 V _{dc}	> 1	GΩ
Class II according to EN 61643-11 ⁴⁾		
Max. continuous operating voltage at 50/60 Hz	U _c 510	V _{rms}
Nominal discharge current 8/20 µs	I _n 10	kA
Maximum discharge current 8/20 µs	I _{max} 20	kA
Weight	~ 3	g
Operation and storage temperature	-40 ... +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, blue positive	EPCOS 1100 YY O 1100 - Nominal voltage YY - Year of production O - Non radioactive	

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

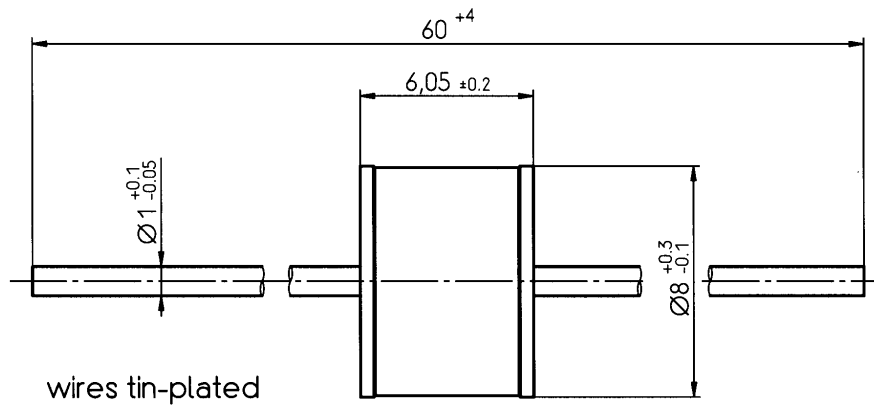
¹⁾ At delivery AQL 0.65 level II, DIN ISO 2859

²⁾ In darkness w/o storage

³⁾ Combination wave generator (2Ω)

⁴⁾ Test sequence in accordance with EN 61643-11.

Application only in devices. Follow current has to be limited by an appropriate varistor in series.

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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