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Surge arrester

2-electrode arrester

Series/Type: A80-A800XP
Ordering code: B88069X5691C103
Version/Date: Issue 04 / 2007-05-02

Features	Applications
▪ Small size ▪ Very fast response time ▪ Stable performance over life ▪ High insulation resistance ▪ RoHS-compatible	▪ AC power line devices – class II

Electrical specifications

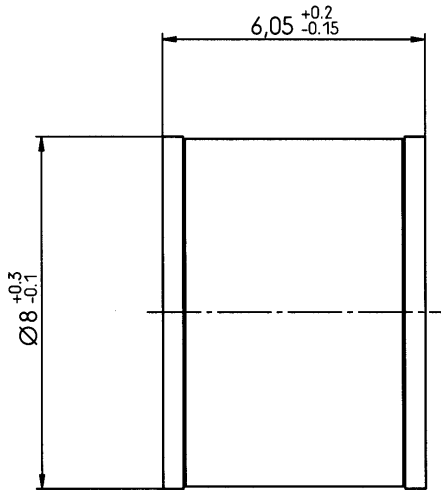
DC spark-over voltage ^{1) 2)}	> 600	V
Impulse spark-over voltage - at 1.2/50 µs; 6 kV for 99 % of measured values	< 1500	V
Response time - typical values	< 100 < 20	ns ns
Insulation resistance at 100 V _{dc}	> 1	GΩ
Class II ³⁾		
Max. continuous operating voltage at 50/60 Hz U _c	255	V _{rms}
Nominal discharge current 8/20 µs I _n	10	kA
Maximum discharge current 8/20 µs I _{max}	20	kA
Weight	~ 2	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	

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

²⁾ In darkness w/o storage

³⁾ 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

nickel-plated

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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