Surge arrester

2-electrode arrester

Series/Type:	**V13-A500X**
Ordering code:	**B88069X4390C251**
Version/Date:	Issue 05 / 2008-01-17

Surge arrester	B88069X4390C251
2-electrode arrester	**V13-A500X**

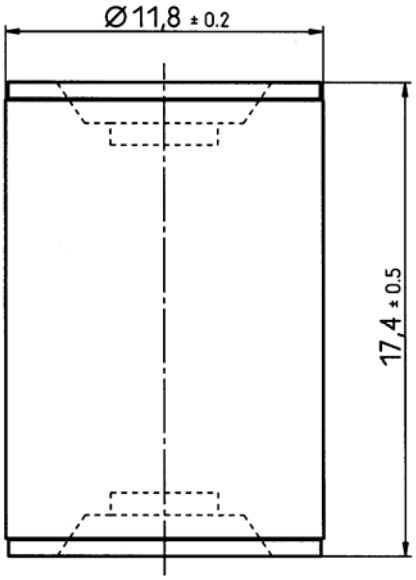
Features	Applications
▪ Standard size ▪ Maximum current rating ▪ Fast response time ▪ Stable performance over life ▪ Very low capacitance ▪ High insulation resistance ▪ RoHS compatible	▪ AC power lines ▪ Class II (class C) - requirements

Electrical specifications

DC spark-over voltage [1) 2)]		400 ... 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 according to EN61643-11 Max. continuous operating voltage at 50/60 Hz Nominal discharge current 8/20 µs Maximum discharge current 8/20 µs Follow current at 50/60 Hz	 U_c I_n I_{max} I_f	 255 20 40 100	 V_{rms} kA kA A_{rms}
AC discharge current (TOV [3)]) 1 operation 50 Hz, 0.2 s		300	A
Weight		~ 8	g
Operation and storage temperature		-40 ... +90	°C
Climatic category (IEC 60068-1)		40/ 90/ 21	
Marking, black positive		**EPCOS** **500 YY O** 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
3) TOV – Temporary over voltage

Dimensional drawing



Not to scale

Dimensions in mm

Non controlled document

Cautions and warnings

- 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.

Important notes

The following applies to all products named in this publication:

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