



Surge arrester

2-electrode arrester

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

Features	Applications
<ul style="list-style-type: none"> Standard size Maximum current rating Fast response time Stable performance over life Very low capacitance High insulation resistance RoHS compatible 	<ul style="list-style-type: none"> AC power lines Class II (class C) - requirements

Electrical specifications

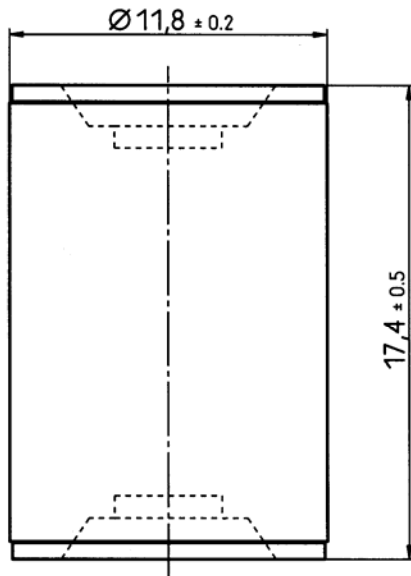
DC spark-over voltage ^{1) 2)}	400 ... 600	V
Impulse spark-over voltage - at 1.2/50 μ s, 6 kV, for 99 % of measured values	< 1500	V
Response time - typical values	< 100 < 20	ns ns
Insulation resistance at 100 V _{dc}	> 1	G Ω
Class II according to EN61643-11		
Max. continuous operating voltage at 50/60 Hz	U _c	255
Nominal discharge current 8/20 μ s	I _n	20
Maximum discharge current 8/20 μ s	I _{max}	40
Follow current at 50/60 Hz	I _f	100
AC discharge current (TOV ³⁾) 1 operation 50 Hz, 0.2 s		300
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



nickel-plated

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.

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The following applies to all products named in this publication:

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