



Surge arrester

2-electrode arrester

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

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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

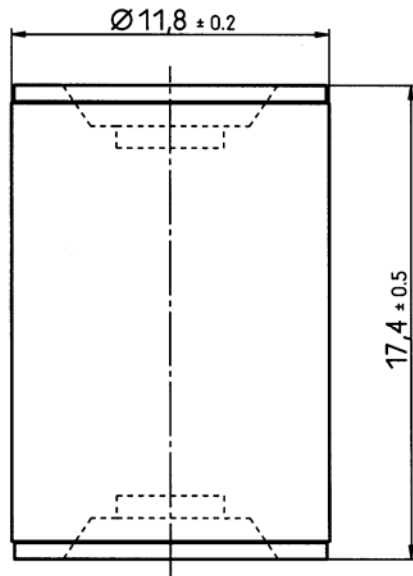
Electrical specifications

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	V _{rms}
Nominal discharge current 8/20 μ s	I _n	20	kA
Maximum discharge current 8/20 μ s	I _{max}	40	kA
Follow current at 50/60 Hz	I _f	100	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


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.

Important notes

The following applies to all products named in this publication:

1. Some parts of this publication contain **statements about the suitability of our products for certain areas of application**. These statements are based on our knowledge of typical requirements that are often placed on our products in the areas of application concerned. We nevertheless expressly point out **that such statements cannot be regarded as binding statements about the suitability of our products for a particular customer application**. As a rule, EPCOS is either unfamiliar with individual customer applications or less familiar with them than the customers themselves. For these reasons, it is always ultimately incumbent on the customer to check and decide whether an EPCOS product with the properties described in the product specification is suitable for use in a particular customer application.
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