

Surge arrester

2-electrode arrester

Series/Type: V13-A500X Ordering code: B88069X43

 Ordering code:
 B88069X4390C251

 Version/Date:
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Surge arrester B88069X4390C251

V13-A500X 2-electrode arrester

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

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	< 100	ns
- typical values	< 20	ns
Insulation resistance at 100 V _{dc}	> 1	GΩ
Class II according to EN61643-11		
Max. continuous operating voltage at 50/60 Hz U _c	255	V_{rms}
Nominal discharge current 8/20 µs In	20	kA
Maximum discharge current 8/20 µs I _{max}	40	kA
Follow current at 50/60 Hz	100	A_{rms}
AC discharge current (TOV 3)		
1 operation 50 Hz, 0.2 s	300	Α
Weight	~ 8	g
Operation and storage temperature	-40 + 90	S
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

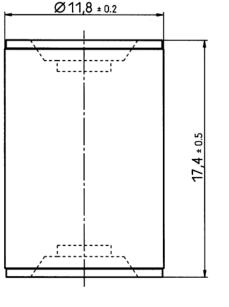
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Dimensional drawing



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.

nickel-plated

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