

Surge arrester

2-electrode arrester

Series/Type: V13-A500XN

Ordering code: B88069X6940C251

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Surge arrester B88069X6940C251

2-electrode arrester V13-A500XN

Features

- Standard size
- Maximum current rating
- Fast response time
- Stable performance over life
- Very low capacitance
- High insulation resistance
- RoHS-compatible

Applications

- AC power lines N-PE applications
- Class I and class II requirements

Electrical specifications

DC spark-over voltage 1)2)	500 850	V	
Front of wave spark-over voltage ⁴⁾ - at 1.2/50 µs, 6 kV	< 1300	V	
Breakdown time - typical values	< 100 < 20	ns ns	
Insulation resistance at 100 V _{DC}	> 1	GΩ	
Class I according to EN 61643-11 Max. continuous operating voltage at 50/60 Hz U_c Nominal discharge current 8/20 μ s I_n Impulse current 10/350 μ s I_{imp} Follow current at 50/60 Hz	255 40 12 100	V kA kA A	
Class II according to EN 61643-11 Max. continuous operating voltage at 50/60 Hz Uc Nominal discharge current 8/20 μ s In Maximum discharge current 8/20 μ s I _{max} Follow current at 50/60 Hz If	255 40 60 100	V kA kA A	
AC discharge current (TOV ³⁾ at 1200 V) 1 operation 50 Hz, 0.2 s	300	А	
Weight	~ 6.5	g	
Operation and storage temperature	-40 +90	°C	
Climatic category (IEC 60068-1)	40/ 90/ 21	40/ 90/ 21	
Marking, black positive	YY - Year of produ	500 YY ON 500 - Nominal voltage YY - Year of production O - Non radioactive	

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

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²⁾ In ionized mode

³⁾ TOV – Temporary over voltage

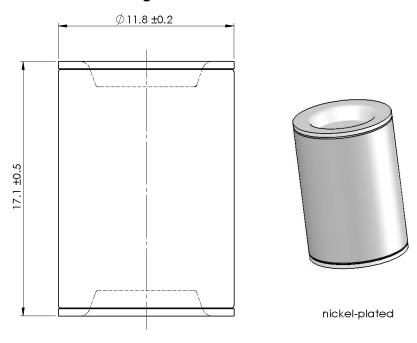
⁴⁾ Values after load: < 1500 V



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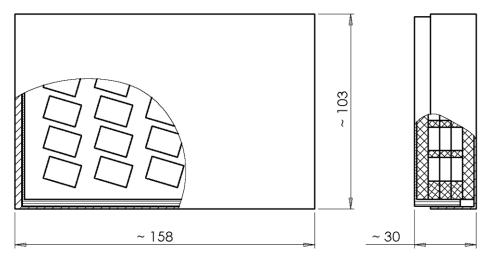
2-electrode arrester V13-A500XN

Dimensional drawing in mm



Ordering code and packing advice

B88069X6940**C251** = 25 pcs. in foam tray



Cautions and warnings

- The follow current must be limited (see values on page 2) so that the arrester can be properly extinguished when the surge has decayed.
- 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 lead contacts may fail or the component may be destroyed.
- Damaged surge arresters must not be re-used.

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