

Surge arrester

2-electrode arrester

 Series/Type:
 V13-A500XN

 Ordering code:
 B88069X6940B152

 Date:
 2019-07-31

 Version:
 13

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Surge arrester

2-electrode arrester

Features

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

Electrical specifications

Applications

- AC power line N-PE application
- Class I and class II– surge protection

DC spark-over voltage ^{1) 2)}		500 850	V
Front of wave spark-over voltage - at 1.2/50 µs, 6 kV		< 1500	V
Breakdown time - typical values		< 100 < 20	ns ns
Insulation resistance at 100 V_{DC}		> 1	GΩ
Class I according to IEC 61643-11 Max. continuous operating voltage at 50/60 Hz Nominal discharge current 8/20 µs Impulse current 10/350 µs Follow current at 50/60 Hz	U _c I _n I _{imp} I _f	255 40 12.5 100	V kA kA A
Class II according to IEC 61643-11 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 40 65 100	V kA kA A
AC discharge current (TOV ³⁾ at 1200 V) 1 operation 50 Hz, 0.2 s		300	A
Weight		~ 6.5	g
Operation and storage temperature		-40 +125	°C
Climatic category (IEC 60068-1)		40/125/21	
Marking, black positive		EPCOS 500 YY ON 500 - Nominal voltage YY - Year of production O - Non radioactive N - Series	
Certification		UL 497B (E163070)	A L

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

²⁾ In ionized mode

³⁾ TOV – Temporary over voltage

PPD AB PD / PPD AB PM

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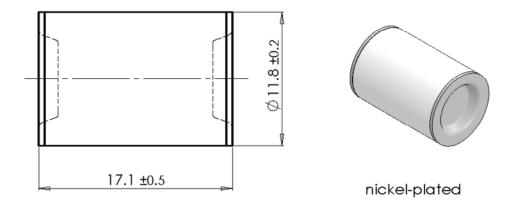


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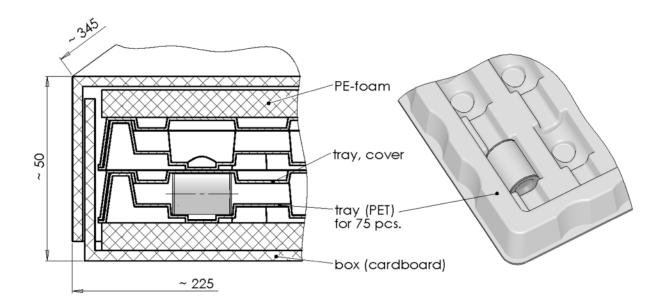
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Dimensional drawing in mm



Ordering code and packing advice

B88069X6940**B152** = 150 pcs. on trays



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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. The arrester might otherwise heat up and ignite adjacent components.
- Surge arresters may become hot in the event of longer periods of current stress (burn risk). In the event of overload the connectors may fail or the component may be destroyed.
- If the contacts of the surge arresters are defective, current load can cause sparks and loud noises.
- Surge arresters must be handled with care and must not be dropped.
- Do not continue to use damaged surge arresters.

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