Surge arrester

2-electrode arrester

Series/Type:	**V13-A500X**
Ordering code:	**B88069X4390B152**
Date:	2018-04-10
Version:	07

Surge arrester B88069X4390B152

2-electrode arrester V13-A500X

Features

- Suitable for direct strikes
- Very fast response time
- Stable performance over life
- High insulation resistance
- RoHS-compatible

Applications

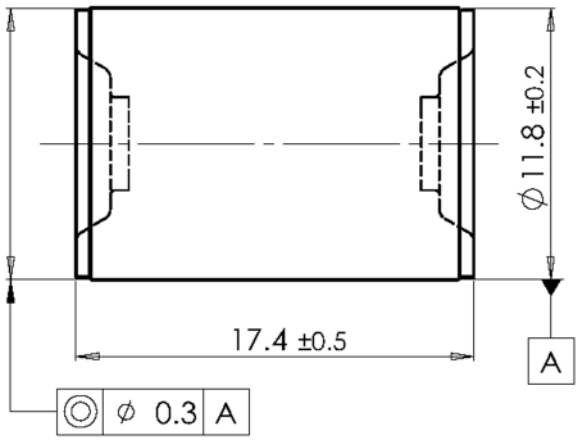
- AC power line N-PE application
- Class II – surge protection

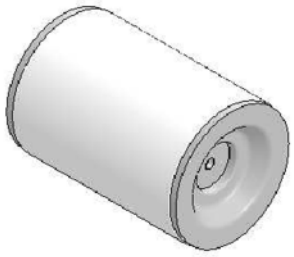
Electrical specifications

DC spark-over voltage [1) 2)]		400 … 600	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 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 20 40 100	 V kA kA A
AC discharge current (TOV [3)] at 1200 V) 1 operation 50 Hz, 0.2 s		300	A
Weight		~ 8	g
Operation and storage temperature		-40 ... +90	°C
Climatic category (IEC 60068-1)		40/090/21	
Marking, black positive		**EPCOS** **500 YY O** 500 - Nominal voltage YY - Year of production O - Non radioactive	
Certification		UL 497B (E163070)	

1) At delivery AQL 0.65 level II, DIN ISO 2859
2) In darkness without storage
3) TOV – Temporary over voltage

Dimensional drawing in mm

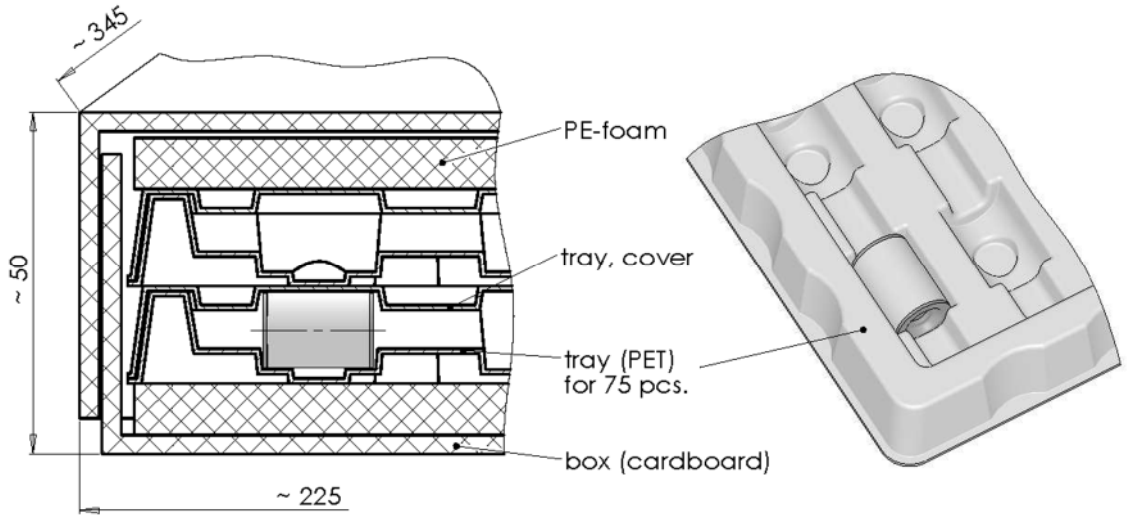




nickel-plated

Ordering code and packing advice

*B88069X4390**B152** = 150 pcs. on trays*



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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