



## Surge arrester

2-electrode arrester

**Series/Type:** V13-H30XPD  
**Ordering code:** B88069X8441B152  
Date: 2018-07-26  
Version: 03

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**Features**

- Stable performance over life
- High insulation resistance
- RoHS-compatible

**Applications**

- AC power line devices – class II

**Electrical specifications**

DC spark-over voltage <sup>1) 2)</sup>		> 2250	V
Front of wave spark-over voltage - at 1.2/50 $\mu$ s, 6 kV, for 99% of measured values		< 4500	V
Breakdown time - typical values		< 100 < 20	ns ns
Insulation resistance at 100 V <sub>DC</sub>		> 1	G $\Omega$
Class II <sup>4)</sup>			
Max. continuous operating voltage at 50/60 Hz	U <sub>c</sub>	440	V
Nominal discharge current 8/20 $\mu$ s	I <sub>n</sub>	15	kA
Maximum discharge current 8/20 $\mu$ s	I <sub>max</sub>	30	kA
Service life			
1 operation 8/20 $\mu$ s		40	kA
Weight		~ 10	g
Operation and storage temperature		-40 ... +90	°C
Climatic category (IEC 60068-1)		40/090/21	
Marking, black positive		<b>EPCOS</b> <b>3000 YY O</b> 3000 - Nominal voltage YY - Year of production O - Non radioactive	

<sup>1)</sup> At delivery AQL 0.65 level II, DIN ISO 2859

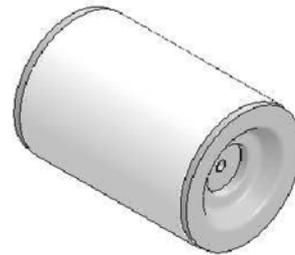
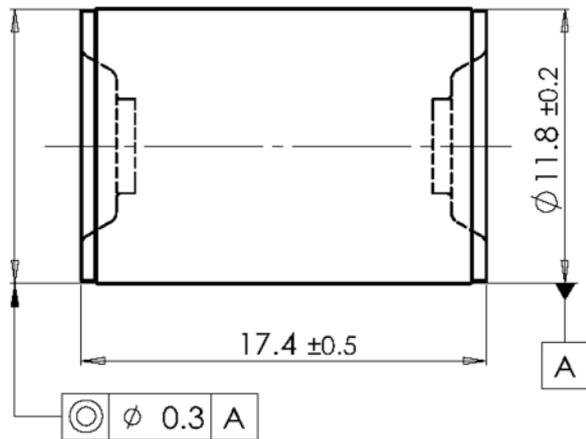
<sup>2)</sup> In darkness w/o storage

<sup>3)</sup> Combination wave generator (2  $\Omega$ )

<sup>4)</sup> Test sequence in accordance with IEC 61643-11.

Follow current has to be avoided by an appropriate external circuit (e.g. varistor in series).

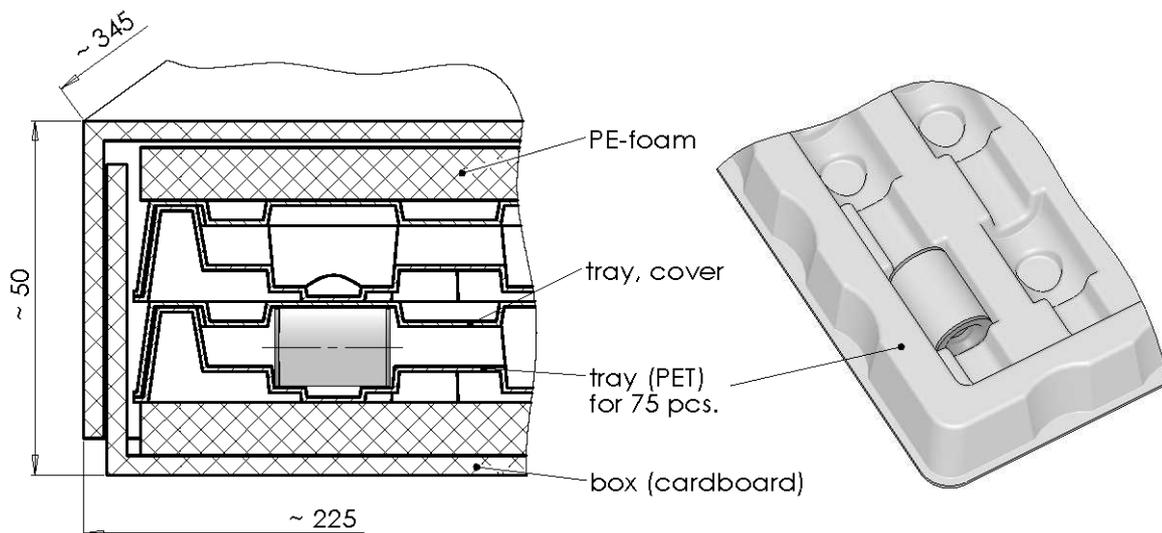
Dimensional drawing in mm



nickel-plated

Ordering code and packing advice

B88069X8441B152 = 150 pcs. on trays



### Cautions and warnings

- Do not operate surge arresters in power supply networks, whose maximum operating voltage exceeds the minimum spark-over voltage of the surge arresters.
- 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.
- Do not continue to use damaged surge arresters.

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## Important notes

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