Surge arrester

2-electrode arrester

Series/Type:	**V87A-A300XSPD**
Ordering code:	**B88069X2453B251**
Version/Date:	Issue 03 / 2013-07-18

Surge arrester — B88069X2453B251

2-electrode arrester — V87A-A300XSPD

Features

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

Applications

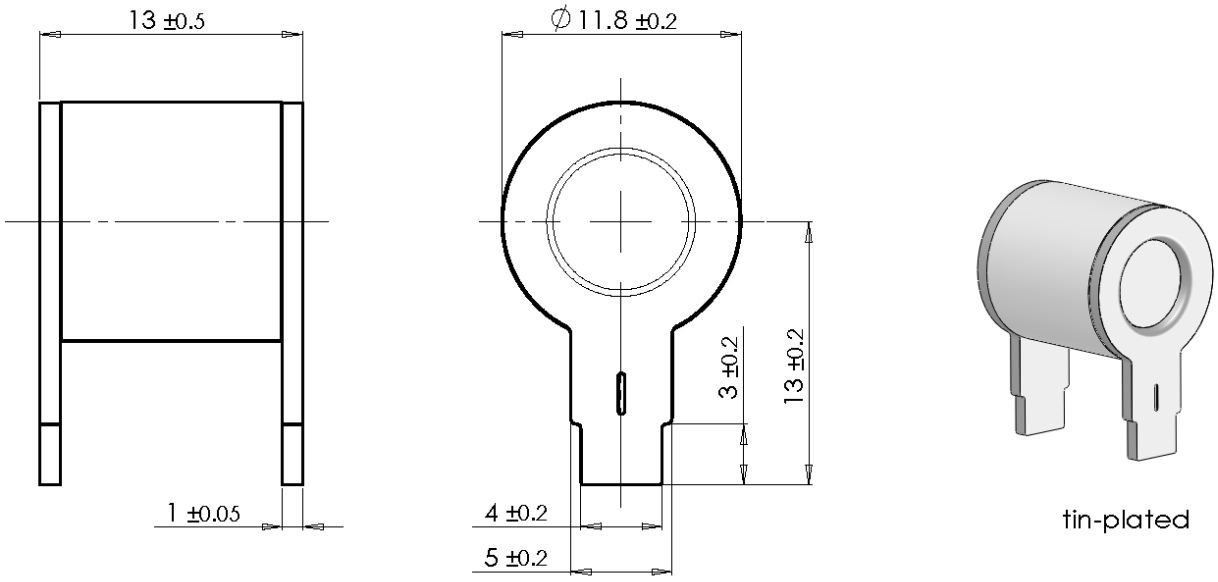
- AC power line devices - class I , class II, class III

Electrical specifications

DC spark-over voltage [1) 2)]		300 ±25	V %
Front of wave spark-over voltage [3) 4)] - at 1.2/50 µs, 6 kV		< 900	V
Breakdown time - typical values		< 100 < 40	ns ns
Insulation resistance at 100 V_{DC}		> 1	GΩ
Class I [4) 5)] Max. continuous operating voltage at 50/60 Hz Nominal discharge current 8/20 µs Maximum discharge current 10/350 µs	 U_c I_n I_{imp}	 110 20 12.5	 V kA kA
Class II [4) 5)] Max. continuous operating voltage at 50/60 Hz Nominal discharge current 8/20 µs Maximum discharge current 8/20 µs	 U_c I_n I_{max}	 110 20 40	 V kA kA
Class III Max. continuous operating voltage at 50/60 Hz [4) 5)] Open circuit voltage by combined wave generator [4) 5)] Limiting voltage (with combination wave generator) [3) 4)] - at 1.2/50 µs, 6 kV; 8/20 µs, 3 kA	 U_c U_{oc}	 110 6 < 650	 V kV V
Weight		~ 10	g
Operation and storage temperature		-40 ... +90	°C
Climatic category (IEC 60068-1)		40/ 90/ 21	
Marking, red positive		**EPCOS** **300 YY O** 300 - Nominal voltage YY - Year of production O - Non radioactive	

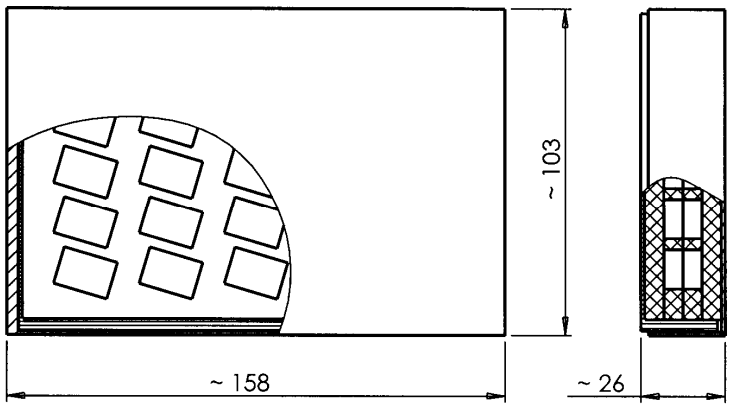
1) At delivery AQL 0.65 level II, DIN ISO 2859
2) In ionized mode
3) Arrester measured individually
4) Test sequence in accordance with EN 61643-11.
5) Application only in devices. Follow current has to be limited by an appropriate varistor in series.

Dimensional drawing in mm



Ordering code and packing advice

*B88069X2453**B251** = 25 pcs. on foam tray*



Cautions and warnings

- Surge arresters must not be operated directly in power supply networks.
- Surge arresters may become hot in case of longer periods of current stress (danger of burning).
- If the contacts of the surge arresters are defective, current stress can lead to the formation of sparks and loud noises.
- 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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