Surge arrester

2-electrode arrester

Series/Type:	**D20-A800XPD**
Ordering code:	**B88069X7371B301**
Date:	2017-10-16
Version:	09

Surge arrester — B88069X7371B301

2-electrode arrester — D20-A800XPD

Features

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

Applications

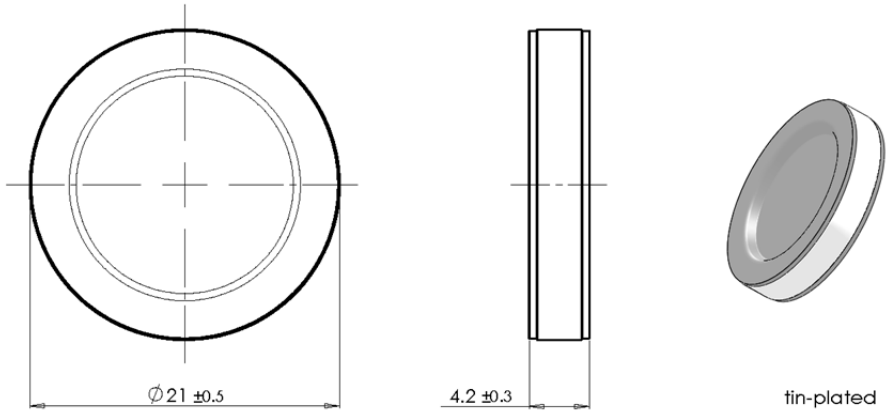
- AC power line devices – class I and class II

Electrical specifications

DC spark-over voltage [1]		> 600	V
Front of wave spark-over voltage [2] - at 1.2/50 µs, 6 kV		 < 1500	 V
Breakdown time - typical values		< 100 < 40	ns ns
Insulation resistance at 100 V_{DC}		> 1	GΩ
Class I [3] Max. continuous operating voltage at 50/60 Hz Nominal discharge current 8/20 µs Impulse discharge current 10/350 µs	 U_c I_n I_{imp}	 255 30 25	 V kA kA
Class II [3] 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}	 255 30 40	 V kA kA
Weight		~ 10	g
Operation and storage temperature		–40 ... +90	°C
Climatic category (IEC 60068-1)		40/090/21	
Marking		without	
Certifications		UL 1449 (E319264)	c UL us

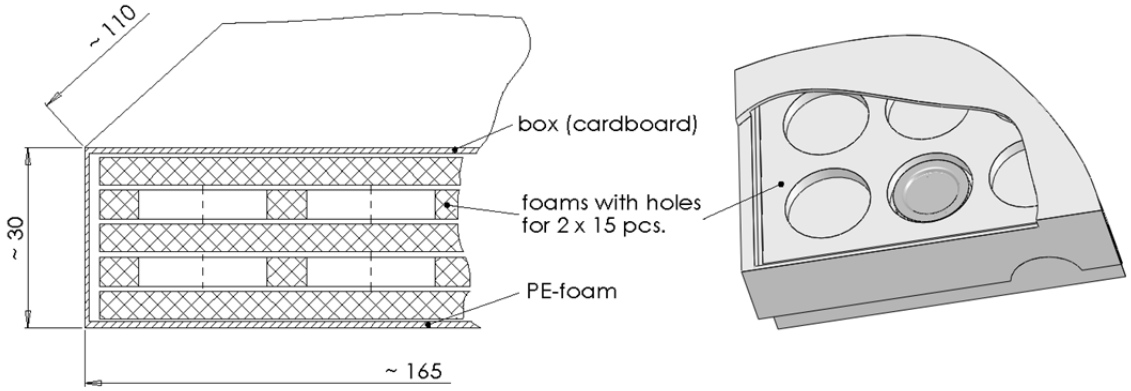
1) At delivery AQL 0.65 level II, DIN ISO 2859
2) Arrester measured individually
3) Test sequence in accordance with IEC 61643-11.
Follow current has to be avoided by an appropriate external circuit (e.g. varistor in series).

Dimensional drawing in mm



Ordering code and packing advice

*B88069X7371**B301** = 30 pcs. in foam 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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