



## Surge arrester

2-electrode arrester

**Series/Type:** D30L3-A800PD  
**Ordering code:** B88069X5473B202  
Date: 2018-12-25  
Version: 01

**Features**

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

**Applications**

- AC power line devices – class I and class II

**Electrical specifications**

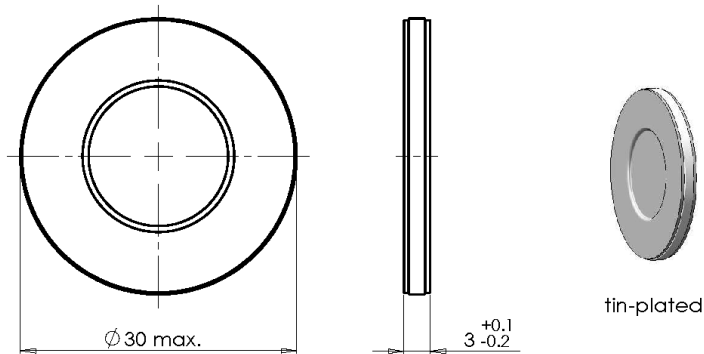
DC spark-over voltage <sup>1) 2)</sup>		> 600	V
Front of wave spark-over voltage - at 1.2/50 $\mu$ s, 6 kV, for 99% of measured values		< 1500	V
Breakdown time - typical values		< 100 < 20	ns ns
Insulation resistance at 100 V <sub>DC</sub>		> 1	G $\Omega$
Class I <sup>3)</sup>			
Max. continuous operating voltage at 50/60 Hz	U <sub>c</sub>	275	V
Nominal discharge current 8/20 $\mu$ s	I <sub>n</sub>	30	kA
Maximum discharge current 10/350 $\mu$ s	I <sub>Imp</sub>	25	kA
Class II <sup>3)</sup>			
Max. continuous operating voltage at 50/60 Hz	U <sub>c</sub>	275	V
Nominal discharge current 8/20 $\mu$ s	I <sub>n</sub>	30	kA
Maximum discharge current 8/20 $\mu$ s	I <sub>max</sub>	40	kA
Weight		~ 8	g
Operation and storage temperature		-40 ... +125	°C
Climatic category (IEC 60068-1)		40/125/21	
Marking		without	

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

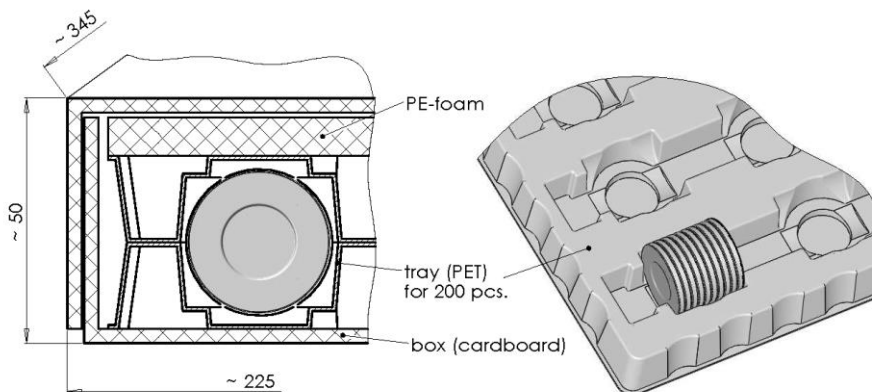
<sup>2)</sup> In ionized mode

<sup>3)</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**

**Ordering code and packing advice**

**B88069X5473B202** = 200 pcs. in 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.
- Surge arresters must be handled with care and must not be dropped.
- Do not continue to use damaged surge arresters.

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## Important notes

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