Surge arrester

2-electrode arrester

Series/Type:	**V14-H14XPD**
Ordering code:	**B88069X2373B152**
Date:	2018-04-12
Version:	02

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Surge arrester B88069X2373B152

2-electrode arrester V14-H14XPD

Features

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

Applications

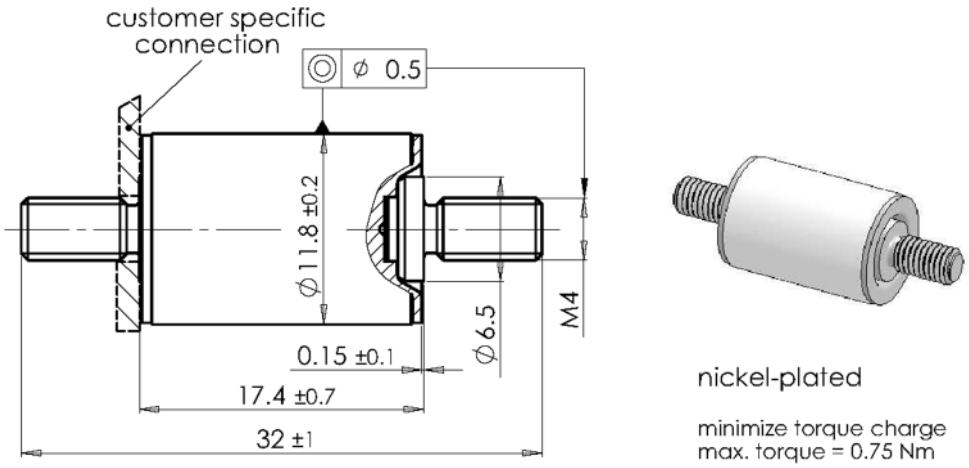
- AC power line devices – class II

Electrical specifications

DC spark-over voltage [1) 2)]		> 1100	V
Front of wave spark-over voltage [3)] - at 1.2/50 µs, 6 kV		< 2500	V
Breakdown time - typical values		< 100 < 20	ns ns
Insulation resistance at 100 V_{DC}		> 1	GΩ
Class II [4)] Max. continuous operating voltage at 50/60 Hz Nominal discharge current 8/20 µs Maximum discharge current 8/20 µs [5)]	 U_c I_n I_{max}	 440 20 30	 V kA kA
Service life 3 operations 10/350 µs		2.5	kA
Weight		~ 10	g
Operation and storage temperature		–40 ... +90	°C
Climatic category (IEC 60068-1)		40/090/21	
Marking, black positive		**EPCOS** **1400 YY O** 1400 - Nominal voltage YY - Year of production O - Non radioactive	

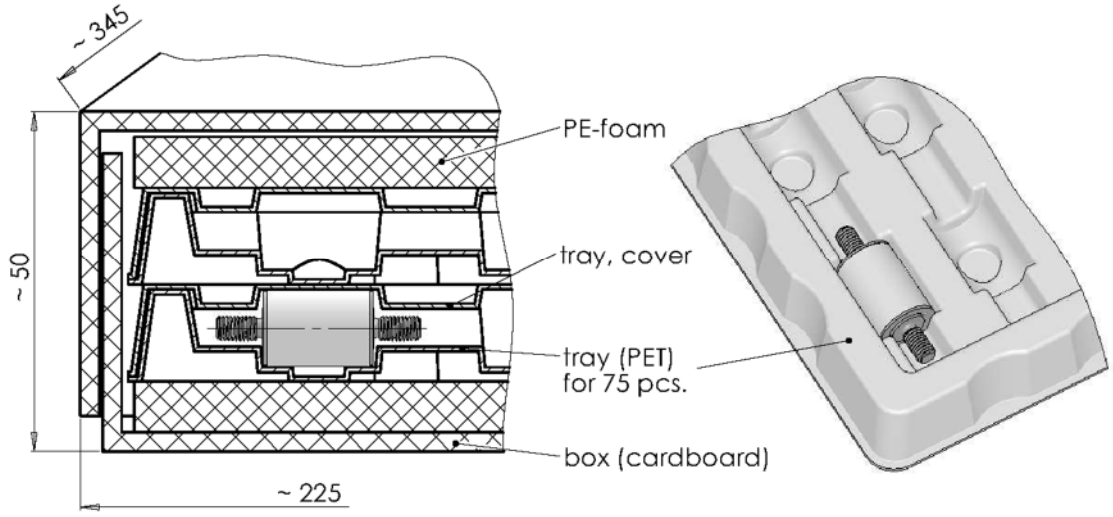
1) At delivery AQL 0.65 level II, DIN ISO 2859
2) In darkness w/o storage
3) Arrester measured individually
4) Test sequence in accordance with IEC 61643-11.
Follow current has to be avoided by an appropriate external circuit (e.g. varistor in series).
5) Alternatively: 2 operations 30 kA, 8/20 µs

Dimensional drawing in mm



Ordering code and packing advice

*B88069X2373**B152** = 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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