Surge arrester

2-electrode arrester

Series/Type:	**V14-H22XN**
Ordering code:	**B88069X7681B152**
Date:	2018-10-09
Version:	07

Surge arrester B88069X7681B152

2-electrode arrester V14-H22XN

Features

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

Applications

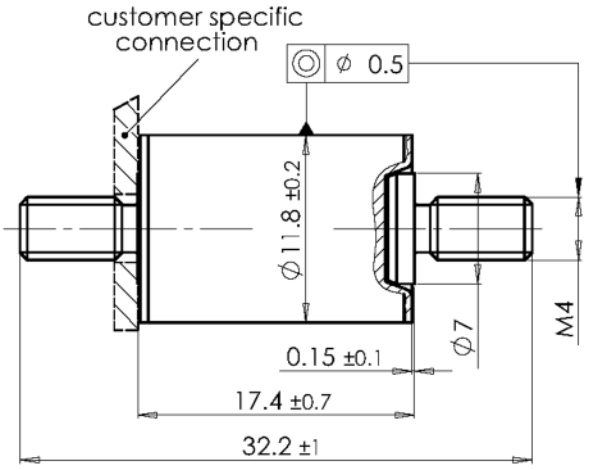
- AC power line devices – class II

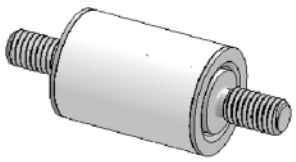
Electrical specifications

DC spark-over voltage [1) 2)]		2200	V
Tolerance		±20	%
Min.		1760	V
Max.		2640	V
Front of wave spark-over voltage [3) 4)]			
- at 1.2/50 µs, 6 kV		< 3700	V
Breakdown time		< 100	ns
- typical values		< 20	ns
Insulation resistance at 100 V_{DC}		> 10	GΩ
Class II [4)]			
Max. continuous operating voltage at 50/60 Hz	U_c	1000	V
Nominal discharge current 8/20 µs	I_n	40	kA
Maximum discharge current 8/20 µs	I_{max}	60	kA
Service life [5)]			
10 operations 8/20 µs		60	kA
Weight		~ 8	g
Operation and storage temperature		–40 ... +90	°C
Climatic category (IEC 60068-1)		40/090/21	
Marking, black positive		EPCOS **2200 YY ON** 2200 - Nominal voltage YY - Year of production O - Non radioactive N - Series	

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 IEC 61643-11.
Follow current has to be avoided by an appropriate external circuit (e.g. varistor in series).
5) After service life:
Front of wave spark-over voltage: < 4400 V

Dimensional drawing in mm



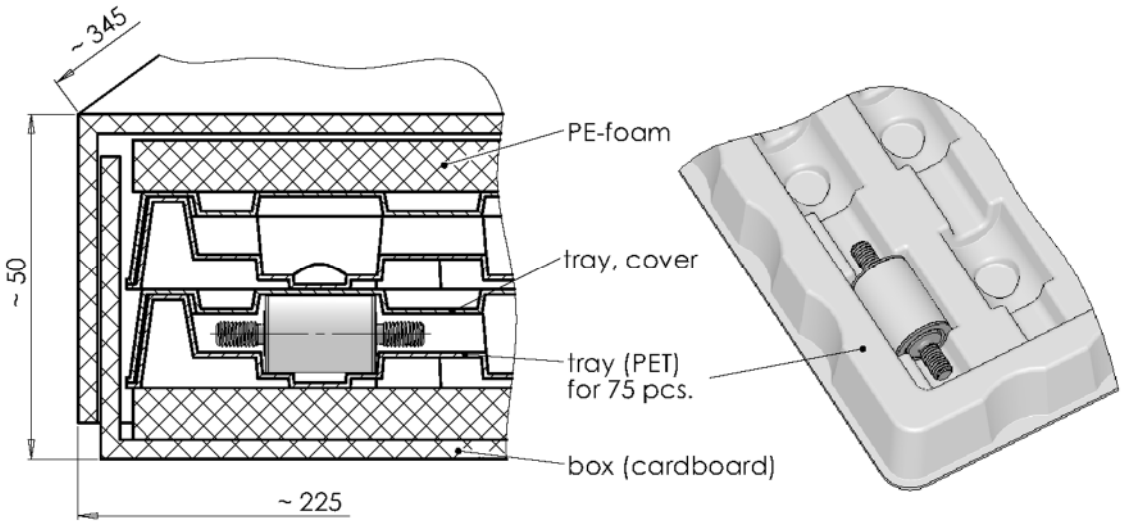


nickel-plated

minimize torque charge
max. torque = 0.75 Nm

Ordering code and packing advice

*B88069X7681**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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