Surge arrester

2-electrode arrester

Series/Type:	**V10-H22X**
Ordering code:	**B88069X4420B152**
Date:	2018-02-24
Version:	07

Surge arrester — B88069X4420B152

2-electrode arrester — V10-H22X

Features

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

Applications

- Station protection

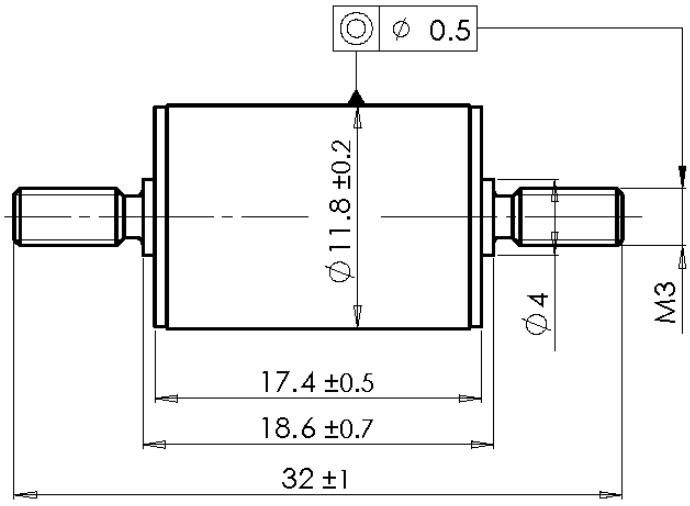
Electrical specifications

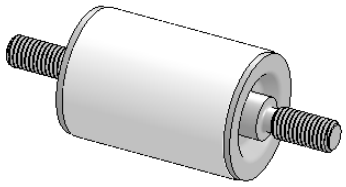
DC spark-over voltage [1) 2)]		2200	V
Tolerance		±20	%
Min.		1760	V
Max.		2640	V
Impulse spark-over voltage			
at 100 V/µs	- for 99% of measured values	< 2700	V
	- typical values of distribution	< 2400	V
at 1 kV/µs	- for 99% of measured values	< 2800	V
	- typical values of distribution	< 2500	V
Service life			
10 operations	50 Hz, 1 s	20	A
1 operations	50 Hz, 0.18 s (9 cycles)	120	A
10 operations	8/20 µs	20	kA
1 operation	8/20 µs	25	kA
Insulation resistance at 100 V_{DC}		> 10	GΩ
Capacitance at 1 MHz		< 1.5	pF
Arc voltage at 1 A		~ 30	V
Glow to arc transition current		< 1	A
Glow voltage		~ 200	V
Weight		~ 8	g
Operation and storage temperature		–40 ... +125	°C
Climatic category (IEC 60068-1)		40/125/21	
Marking, black positive		**EPCOS 2200 YY O** 2200 - Nominal voltage YY - Year of production O - Non radioactive	

1) At delivery AQL 0.65 level II, DIN ISO 2859
2) In ionized mode

Terms in accordance with ITU-T Rec. K.12 and IEC 61643-311.

Dimensional drawing in mm



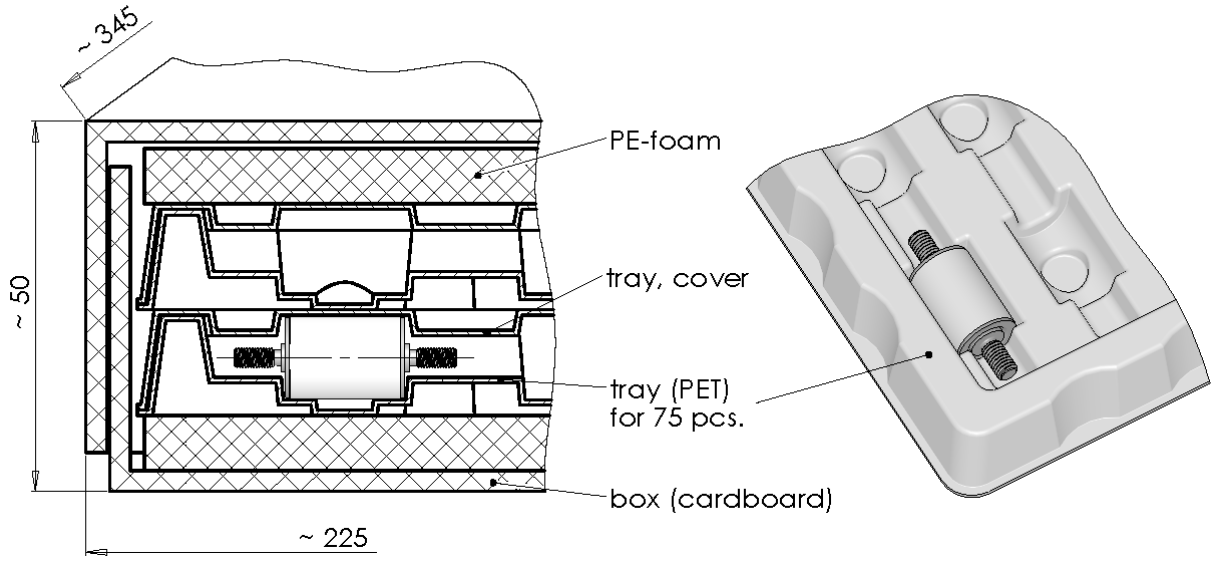


nickel-plated

minimize torque charge
max. torque = 0.75 Nm

Ordering code and packing advice

*B88069X4420**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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