Surge arrester

2-electrode arrester

Series/Type:	**KX61-A90X**
Ordering code:	**B88069X1343B502**
Date:	2019-08-22
Version:	03

Surge arrester — B88069X1343B502

2-electrode arrester — KX61-A90X

Features

- Very small size
- Very fast response time
- Stable performance over life
- Very low capacitance
- High insulation resistance
- RoHS-compatible

Applications

- HF-applications
- Line protection
- Station protection

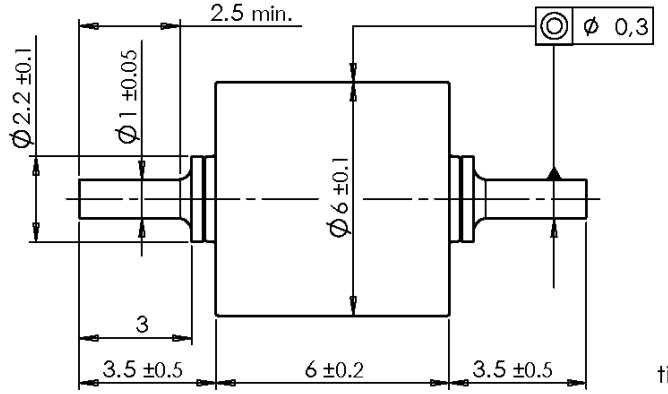
Electrical specifications

DC spark-over voltage [1) 2)]		90	V
Tolerance		±25	%
Min.		68	V
Max.		112	V
Impulse spark-over voltage			
at 100 V/µs	- for 99% of measured values	< 350	V
	- typical values of distribution	< 300	V
at 1 kV/µs	- for 99% of measured values	< 550	V
	- typical values of distribution	< 500	V
Service life [3)]			
10 operations	8/20 µs	5	kA
1 operation	8/20 µs	10	kA
300 operations (alternating polarity)	10/1000 µs	100	A
Insulation resistance at 50 V_{DC}		> 10	GΩ
Capacitance at 24 kHz		0.94 ... 1.19	pF
Arc voltage at 1 A		~ 10	V
Glow to arc transition current		< 0.5	A
Glow voltage		~ 60	V
Weight		~ 1.5	g
Operation and storage temperature		–40 ... +125	°C
Climatic category (IEC 60068-1)		40/125/21	
Marking		without	

1) At delivery AQL 0.65 level II, DIN ISO 2859
2) In ionized mode
3) After service life:
DC spark-over voltage: 68 … 180 V
Impulse spark-over voltage: at 100 V/µs < 450 V
at 1 kV/µs < 750 V
Insulation resistance at 100 V_{DC} > 0.1 GΩ

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

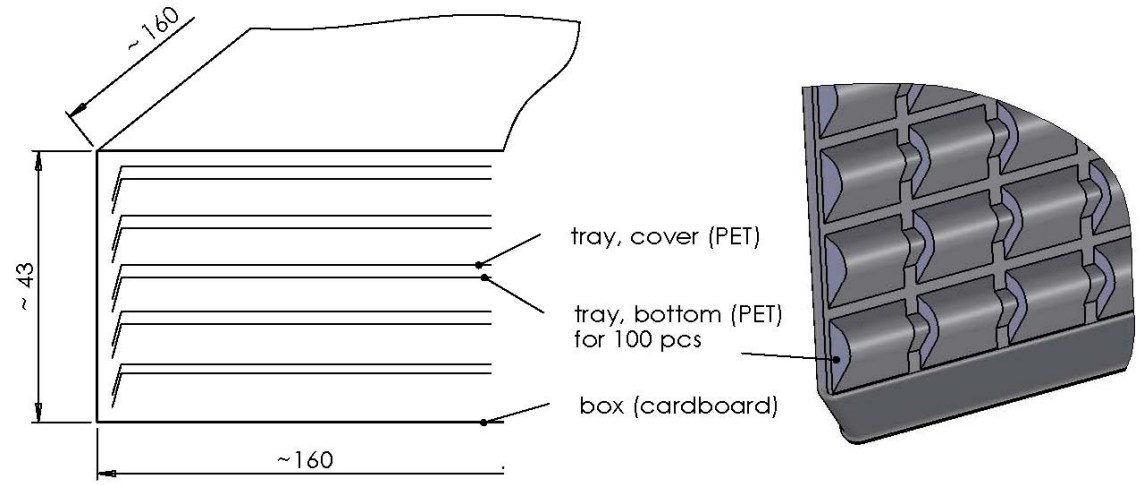
Dimensional drawing in mm



tin-plated

Ordering code and packing advice

*B88069X1343**B502** = 500 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.
- Surge arresters must be handled with care and must not be dropped.
- Do not continue to use damaged surge arresters.

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