Surge arrester

2-electrode arrester

Series/Type:	**KX61-A200X**
Ordering code:	**B88069X5481B502**
Version/Date:	Issue 07 / 2011-09-12

EPCOS AG is a TDK Group Company.

Surge arrester — B88069X5481B502

2-electrode arrester — KX61-A200X

Features

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

Applications

- HF-applications
- Line protection
- Station protection

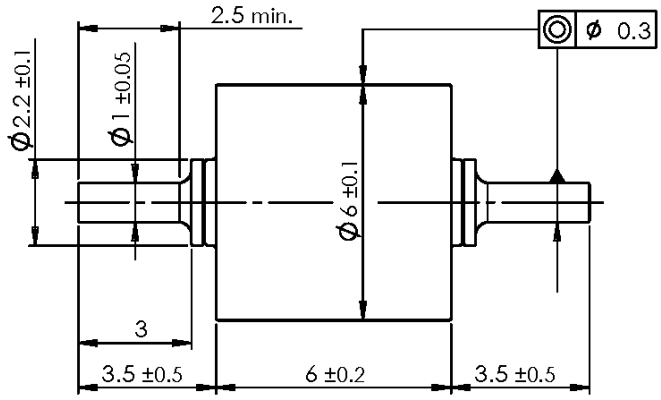
Electrical specifications

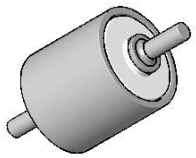
DC spark-over voltage [1) 2)]		200 ± 25	V %
Impulse spark-over voltage			
at 100 V/µs	- for 99 % of measured values	< 450	V
	- typical values of distribution	< 400	V
at 1 kV/µs	- for 99 % of measured values	< 650	V
	- typical values of distribution	< 550	V
Service life [3)]			
10 operations	8/20 µs	5	kA
1 operation	8/20 µs	10	kA
300 operations (alternating polarity)	10/1000 µs	100	A
Insulation resistance at 100 V_{DC}		> 10	GΩ
Capacitance at 24 kHz		1.04 ... 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 ... +90	°C
Climatic category (IEC 60068-1)		40/ 90/ 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: 150 ... 300 V
Impulse spark-over voltage: at 100 V/µs < 800 V
at 1 kV/µs < 900 V
Insulation resistance at 100 V_{DC} > 0.1 GΩ

Terms and current waveforms in accordance with: ITU-T Rec. K.12 ; IEC 61643-21and IEC 61663-2

Dimensional drawing in mm

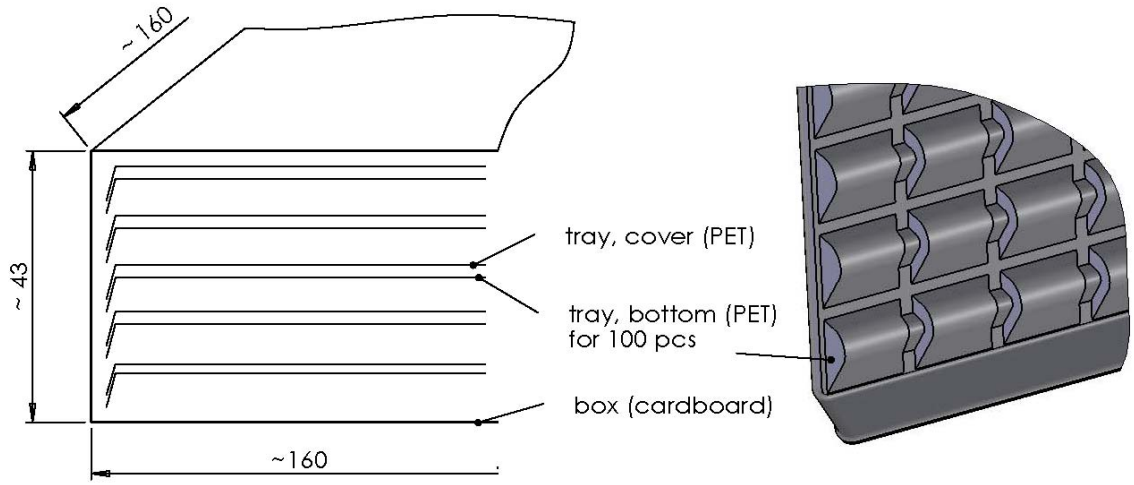




tin-plated

Ordering code and packing advice

*B88069X...**B502** = 500 pcs on trays*



Cautions and warnings

- Surge arresters must not be operated directly in power supply networks.
- Surge arresters may become hot in the event of longer periods of current stress (danger of burning).
- Surge arresters may be used only within their specified values. In the event of overload, the head contacts may fail or the component may be destroyed.
- Damaged surge arresters must not be re-used.

Important notes

The following applies to all products named in this publication:

1. Some parts of this publication contain **statements about the suitability of our products for certain areas of application**. These statements are based on our knowledge of typical requirements that are often placed on our products in the areas of application concerned. We nevertheless expressly point out **that such statements cannot be regarded as binding statements about the suitability of our products for a particular customer application.** As a rule we are either unfamiliar with individual customer applications or less familiar with them than the customers themselves. For these reasons, it is always ultimately incumbent on the customer to check and decide whether a product with the properties described in the product specification is suitable for use in a particular customer application.
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