Surge arrester

2-electrode arrester

Series/Type:	**EC230X**
Ordering code:	**B88069X0660S102**
Version/Date:	Issue 08 / 2011-12-13

EPCOS AG is a TDK Group Company.

Features

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

Applications

- Branch exchange
- Line protection
- Subscriber protection
- Alarm system

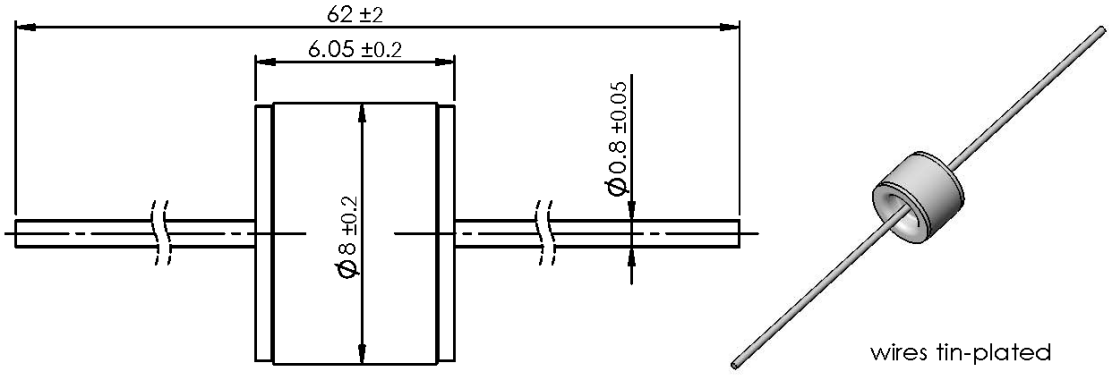
Electrical specifications

DC spark-over voltage [1) 2)]	230 ± 15	V %
Impulse spark-over voltage		
at 100 V/µs - for 99% of measured values	< 550	V
at 100 V/µs - typical values of distribution	< 500	V
at 1 kV/µs - for 99% of measured values	< 700	V
at 1 kV/µs - typical values of distribution	< 600	V
Service life		
10 operations 50 Hz, 1 s	5	A
1 operation 50 Hz, 0.18 s (9 cycles)	20	A
10 operations 8/20 µs	5	kA
1 operation 8/20 µs	10	kA
3 operations 8/20 µs [3)]	10	kA
1 operation 10/350 µs	1	kA
Insulation resistance at 100 V_{DC}	> 10	GΩ
Capacitance at 1 MHz	< 1	pF
Arc voltage at 1 A Glow to arc transition current Glow voltage	~ 12 ~ 0.8 ~ 80	V A V
Weight	~ 1.5	g
Operation and storage temperature	-40 ... +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, red positive	**EPCOS EC 230 YY O** EC - Series 230 - Nominal voltage YY - Year of production O - Non radioactive	

1) At delivery AQL 0.65 level II, DIN ISO 2859
2) In ionized mode
3) DC spark-over voltage may exceed ± 50% after discharge, but will continue to protect without venting.

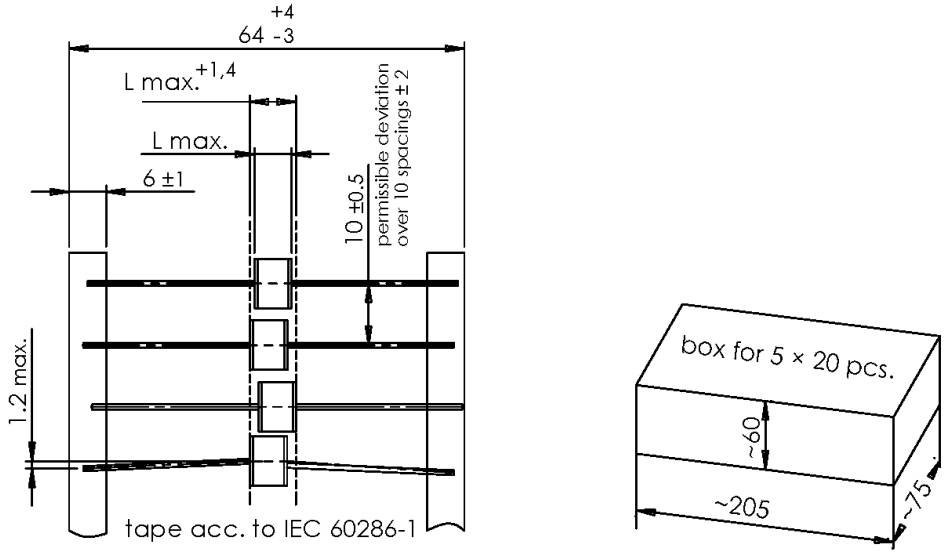
Terms in accordance with ITU-T Rec. K.12, IEC 61663-2 and IEC 61643-311

Dimensional drawing in mm



Ordering code and packing advice

*B88069X...**S102** = 100 pcs. on 5 taped stripes*



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 lead 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:

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