



## **Surge arrester**

2-electrode arrester

**Series/Type:** EC230X  
**Ordering code:** B88069X0660S102  
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**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 <sup>1) 2)</sup>	230 ± 15	V %
Impulse spark-over voltage at 100 V/μs - for 99% of measured values - typical values of distribution	< 550 < 500	V V
at 1 kV/μs - for 99% of measured values - typical values of distribution	< 700 < 600	V 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 <sup>3)</sup>	10	kA
1 operation 10/350 μs	1	kA
Insulation resistance at 100 V <sub>DC</sub>	> 10	GΩ
Capacitance at 1 MHz	< 1	pF
Arc voltage at 1 A	~ 12	V
Glow to arc transition current	~ 0.8	A
Glow voltage	~ 80	V
Weight	~ 1.5	g
Operation and storage temperature	-40 ... +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, red positive	<b>EPCOSEC 230 YY O</b> EC - Series 230 - Nominal voltage YY - Year of production O - Non radioactive	

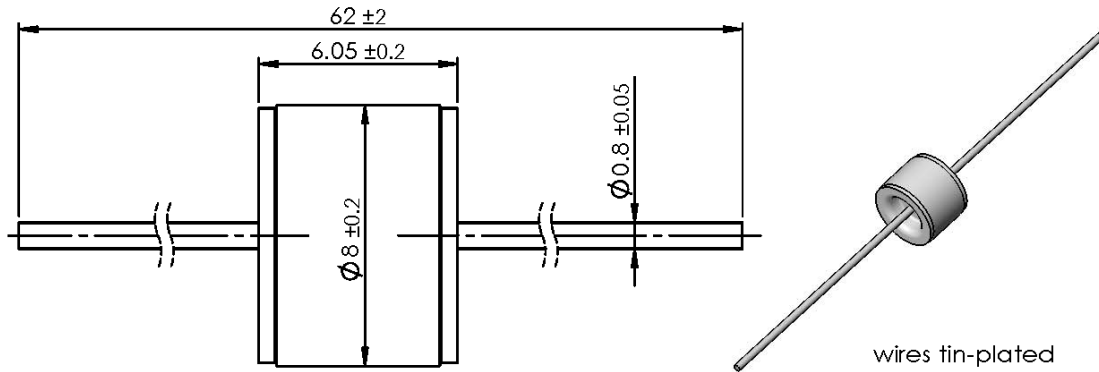
<sup>1)</sup> At delivery AQL 0.65 level II, DIN ISO 2859

<sup>2)</sup> In ionized mode

<sup>3)</sup> DC spark-over voltage may exceed ± 50% after discharge, but will continue to protect without venting.

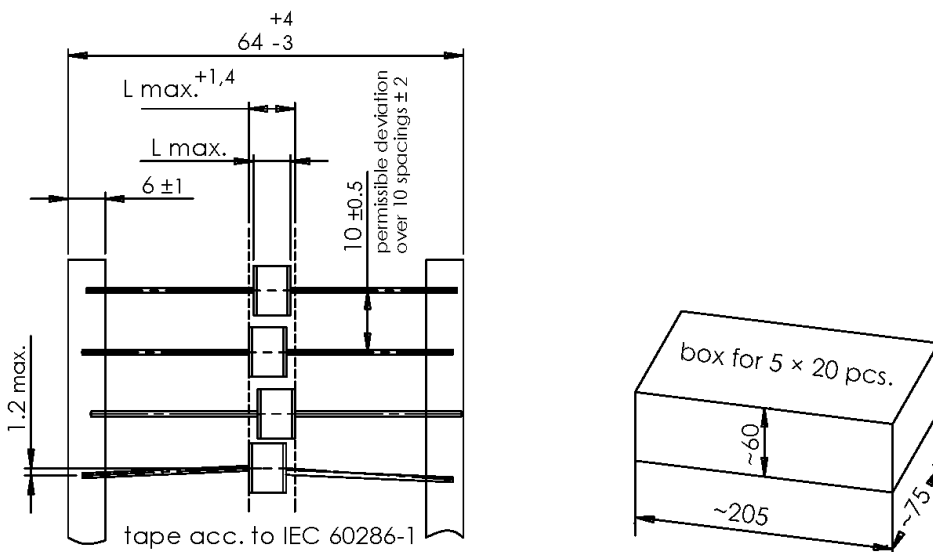
Terms in accordance with ITU-T Rec. K.12, IEC 61663-2 and IEC 61643-311

**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.

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