



## Surge arrester

2-electrode arrester

**Series/Type:** A60-A250XF  
**Ordering code:** B88069X2613C103  
Version/Date: Issue 01 / 2013-07-22

**Features**

- Standard size
- Fast response time
- High current rating
- Stable performance over life
- Very low capacitance
- High insulation resistance
- Reliable failsafe device
- RoHS-compatible

**Applications**

- Branch exchange (MDF)
- Line protection
- Subscriber protection

**Electrical specifications**

DC spark-over voltage <sup>1) 2)</sup>	250 ± 20	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	< 850 < 750	V V
Service life		
10 operations 50 Hz; 1 s	10	A
5 operations 50 Hz; 1 s	20	A
1 operation 50 Hz; 0.18 s (9 cycles)	60	A
10 operations 8/20 μs	10	kA
1 operation 8/20 μs	12	kA
300 operations 10/1000 μs	200	A
DC holdover voltage at 135 V <sub>DC</sub> / 200mA	< 150	ms
Insulation resistance at 100 V <sub>DC</sub>	> 10	GΩ
Capacitance at 1 MHz	< 1.5	pF
Arc voltage at 1 A	~ 20	V
Glow to arc transition current	~ 0.5	A
Glow voltage	~ 60	V
Weight	~ 2	g
Storage temperature	-40 ... +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, red negative	<b>EPCOS 250 YY O</b> 250 - Nominal voltage YY - Year of production O - Non radioactive	

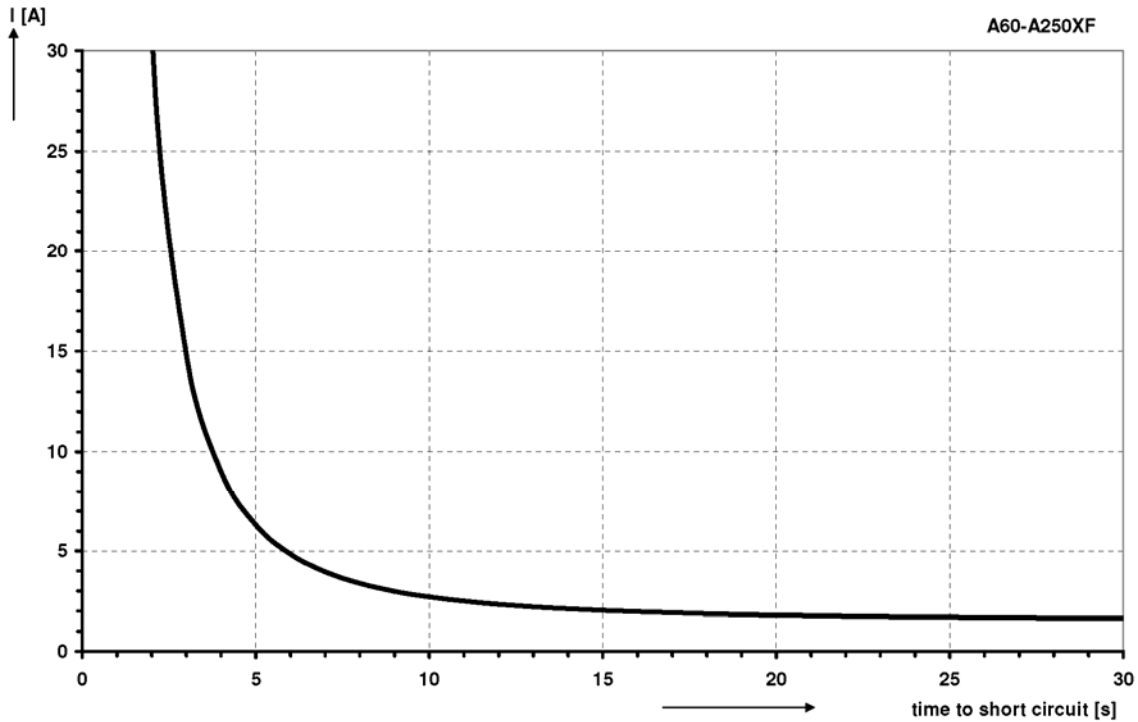
<sup>1)</sup> At delivery AQL 0.65 level II, DIN ISO 2859

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

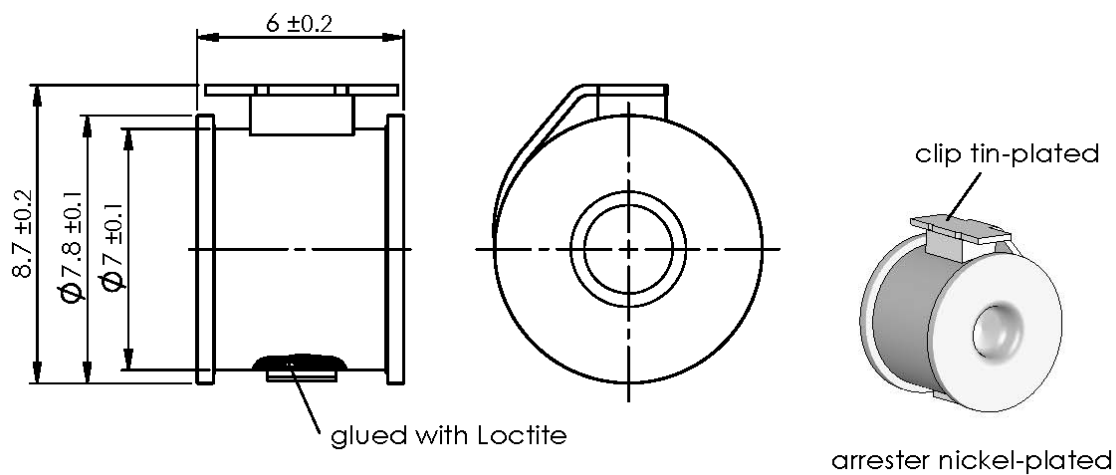
Terms in accordance with ITU-T Rec. K.12; IEC 61663-2 and IEC 61643-311.

The arrester failsafe mechanism contains a solder pellet with a melting temperature range from 193 to 203 °C.

**Failsafe characteristic diagram** (for arrester only, characteristic can differ in assembled module)

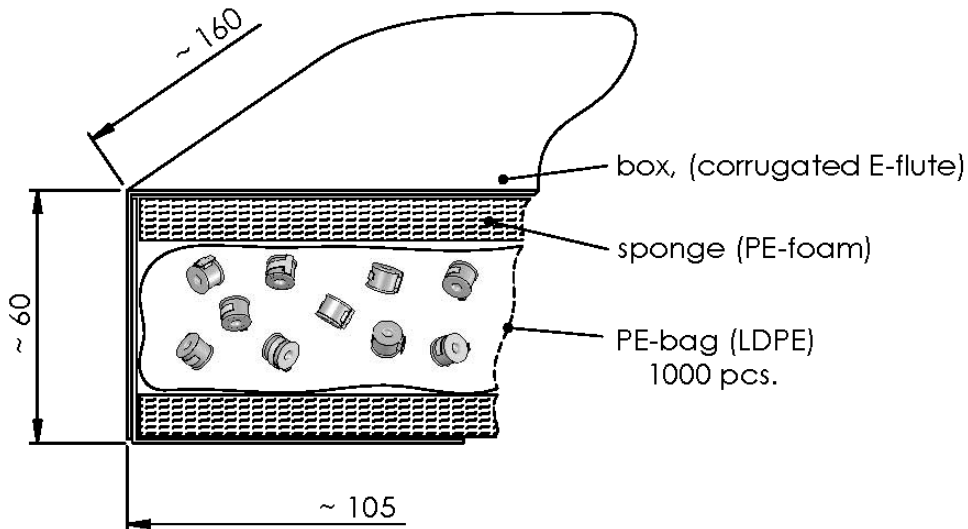


**Dimensional drawing in mm**



**Ordering code and packing advice**

*B88069X2613.C103 = 1000 pcs. in container*


**Cautions and warnings**

- The short circuit spring does not trigger until 193 °C is reached depending on the material. Care must be taken to limit the thermal radiation onto adjacent parts to safe values.
- Surge arresters must not be operated directly in power supply networks.
- Surge arresters may become hot in case of longer periods of current stress (danger of burning).
- Surge arresters may be used only within their specified values. In case 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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