



## Surge arrester

2-electrode arrester

**Series/Type:** N80-A230X  
**Ordering code:** B88069X4900xxxx <sup>a)</sup>  
**Version/Date:** Issue 04 / 2006-01-18

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Features	Applications
<ul style="list-style-type: none"> <li>▪ Standard size</li> <li>▪ Fast response time</li> <li>▪ High current rating</li> <li>▪ Stable performance over life</li> <li>▪ Very low capacitance</li> <li>▪ High insulation resistance</li> <li>▪ RoHS-compatible</li> </ul>	<ul style="list-style-type: none"> <li>▪ Branch exchange (MDF)</li> <li>▪ Line protection</li> <li>▪ Subscriber protection</li> </ul>

**Electrical specifications**

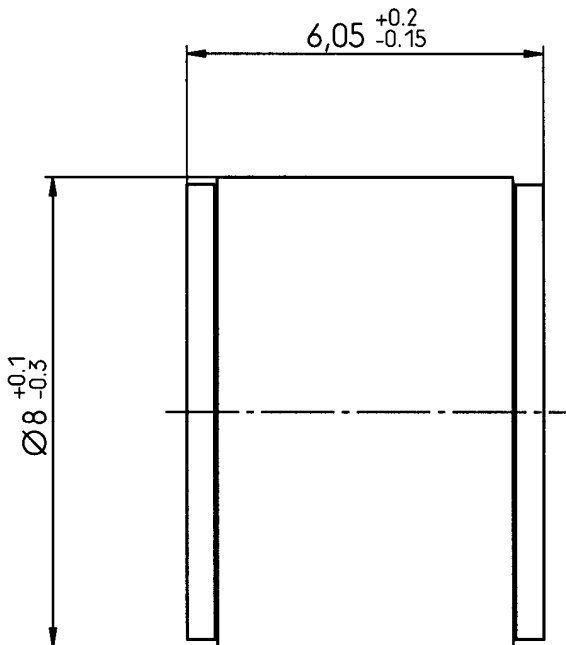
DC spark-over voltage <sup>1) 2)</sup>	230 ± 20	V %
Impulse spark-over voltage		
at 100 V/μs - for 99 % of measured values	< 550	V
- typical values of distribution	< 500	V
at 1 kV/μs - for 99 % of measured values	< 700	V
- typical values of distribution	< 600	V
Service life <sup>8)</sup>		
10 operations    50 Hz; 1 s	10	A <sub>rms</sub>
1 operation     50 Hz; 0.18 s (9 cycles)	65	A <sub>rms</sub>
1 operation     10/350 μs	2.5	kA
10 operations   8/20 μs	10	kA
1 operation     8/20 μs	12	kA
300 operations  10/1000 μs	100	A
Insulation resistance at 100 V <sub>dc</sub>	> 10	GΩ
Capacitance at 1 MHz	< 1.5	pF
Arc voltage at 1 A	~ 12	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, red negative	<b>EPCOS 230 YY O</b> 230 - Nominal voltage YY - Year of production O - Non radioactive	

<sup>a)</sup> xxxx = C103 (container with 1000 pcs.)  
           = C403 (container with 4000 pcs.)

<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 and DIN 57845/VDE0845

**Dimensional drawing**


nickel-plated

*Not to scale*

*Dimensions in mm*

*Non controlled document*

**Cautions and warnings**

- 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 head contacts may fail or the component may be destroyed.
- Damaged surge arresters must not be re-used.

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