

# Surge arrester

2-electrode arrester

Series/Type:EC600XOrdering code:B88069X0780S102Version/Date:Issue 06 / 2007-04-19

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## Surge arrester

Features	Applications	
<ul> <li>Standard size</li> </ul>	<ul> <li>AC powerline devices</li> </ul>	
<ul> <li>Fast response time</li> </ul>	<ul> <li>Consumer electronics</li> </ul>	
<ul> <li>High current rating</li> </ul>	<ul> <li>Power supply</li> </ul>	
<ul> <li>Stable performance over life</li> </ul>		
<ul> <li>Very low capacitance</li> </ul>		
<ul> <li>High insulation resistance</li> </ul>		
RoHS-compatible		

### **Electrical specifications**

DC spark-over voltage <sup>1) 2)</sup>	540 720	V
Impulse spark-over voltage at 100 V/µs - for 99 % of measured values - typical values of distribution	< 1200 < 1000	VVV
at 1 kV/µs - for 99 % of measured values - typical values of distribution	< 1300 < 1100	V V
Service life 10 operations 50 Hz, 1 s 1 operation 50 Hz, 0.18 s (9 cycles) 10 operations 8/20 µs 1 operation 8/20 µs 1 operation 10/350 µs	10 65 5 10 1	A A kA kA
Insulation resistance at 100 V <sub>dc</sub>	> 10	GΩ
Capacitance at 1 MHz	< 1	pF
Arc voltage at 1 A Glow to arc transition current Glow voltage Weight	~ 12 ~ 0.8 ~ 80 ~ 1.5	V A V g
Operation and storage temperature	-40 +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, red positive EC - Series 600 - Nominal voltage YY - Year of product O - Non radioactive		ige iction

1) At delivery AQL 0.65 level II, DIN ISO 2859 In ionized mode

2)

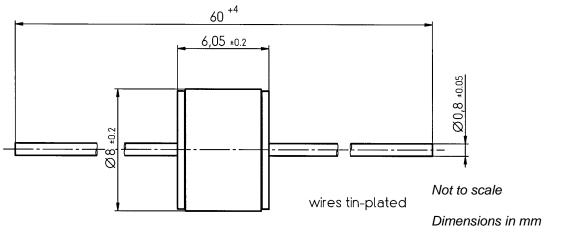
Terms in accordance with ITU-T Rec. K.12 and DIN 57845/VDE0845



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#### **Dimensional drawing**



Non controlled document

#### **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.



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