

# **Surge arrester**

2-electrode arrester

Series/Type: ES300XPA

Ordering code: B88069X6200B502 Version/Date: Issue 04 / 2006-09-27

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Surge arrester B88069X6200B502
2-electrode arrester ES300XPA

Features	Applications
<ul><li>Extremely small size</li></ul>	■ Modem
<ul> <li>Very fast response time</li> </ul>	<ul> <li>XDSL-splitter</li> </ul>
<ul> <li>Stable performance over life</li> </ul>	<ul><li>Tuner</li></ul>
<ul> <li>Extremely low capacitance</li> </ul>	
<ul> <li>High insulation resistance</li> </ul>	
<ul><li>RoHS-compatible</li></ul>	

## **Electrical specifications**

DC spark-over voltage 1) 2)	300 ± 15	V %	
Impulse spark-over voltage at 100 V/µs - for 99 % of measured values - typical values of distribution	< 500 < 450	V	
at 1 kV/µs - for 99 % of measured values - typical values of distribution	< 600 < 550	V V	
Service life			
10 operations 8/20 μs	2.5	kA	
1 operation 8/20 μs	5	kA	
Insulation resistance at 100 V <sub>dc</sub>	> 1	$G\Omega$	
Capacitance at 1 MHz	< 1	pF	
Arc voltage at 1 A Glow to arc transition current Glow voltage	~ 11 < 0.5 ~ 130	V A V	
Weight	~ 0.3	g	
Operation and storage temperature	-40 +90	°C	
Climatic category (IEC 60068-1) 40/ 90/ 21		•	
Marking, red positive	ES - Series 300 - Nominal voltage	300 - Nominal voltage YY - Year of production	

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

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

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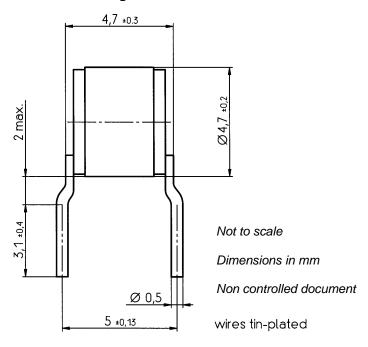
<sup>2)</sup> In ionized mode



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### **Dimensional drawing**



### **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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