

Surge arrester

2-electrode arrester

 Series/Type:
 N81-A230XS

 Ordering code:
 B88069X7461B502

 Version/Date:
 Issue 01 / 2008-02-25

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Features	Applications
 Standard size Fast response time High current rating Stable performance over life Very low capacitance High insulation resistance RoHS-compatible 	 Devices in Railway systems for: Signal protection Data line protection AC/DC power supply protection

Electrical specifications

DC spark-over voltage ^{1) 2)}	230 ±20	V %
Impulse spark-over voltage at 1 kV/µs - for 99 % of measured values	< 650	V
Service life		
5 operations 8/20 μs	10	kA
+ 1 operation 8/20 μs	20	kA
Insulation resistance at 100 V_{dc}	> 10	GΩ
Capacitance at 1 MHz	< 1.5	pF
Arc voltage at 1 A Glow to arc transition current Glow voltage	~ 22 ~ 0.5 ~ 140	V A V
Weight	~ 2.5	g
Operation and storage temperature	-40 +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, red positive	EPCOS 230 YY O230- Nominal voltageYY- Year of productionO- Non radioactive	

¹⁾ At delivery AQL 0.65 level II, DIN ISO 2859 ²⁾ In ionized mode

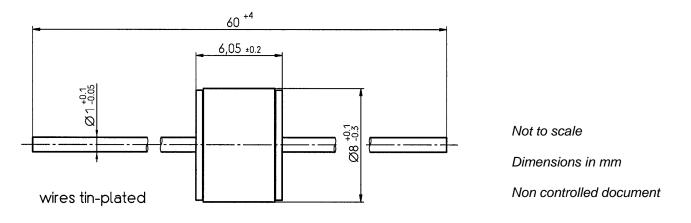
Terms in accordance with ITU-T Rec. K.12 and DIN 57845/VDE0845



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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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