Surge arrester

2-electrode arrester

Series/Type:	**N80-H10X**
Ordering code:	**B88069X6251C103**
Version/Date:	Issue 01 / 2006-09-19

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Surge arrester **B88069X6251C103**

2-electrode arrester **N80-H10X**

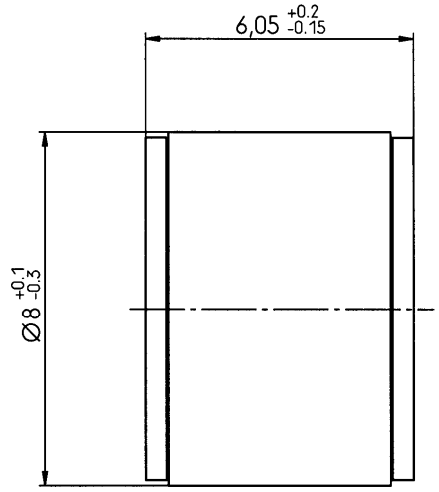
Features	Applications
▪ Standard size ▪ Very high current rating ▪ Very fast response time ▪ Stable performance over life ▪ Very low capacitance ▪ High insulation resistance ▪ RoHS-compatible	▪ AC power line devices ▪ Power supply ▪ Consumer electronics

Electrical specifications

DC spark-over voltage [1) 2)]	1000 ± 20	V %
Impulse spark-over voltage at 1 kV/µs - for 99 % of measured values - typical values of distribution	 < 1800 < 1600	 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	 10 65 10 12	 A A kA 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	~ 15 ~ 0.5 ~ 60	V A V
Weight	~ 1.5	g
Operation and storage temperature	-40 ... +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, red negative	**EPCOS 1000 YY O** 1000 - Nominal voltage YY - Year of production O - 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

Dimensional drawing



Not to scale

Dimensions in mm

nickel-plated

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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