Surge arrester

2-electrode arrester

Series/Type: **A80-A150X**
Ordering code: **B88069X2301C103**
Version/Date: Issue 01 / 2006-12-12

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Surge arrester	B88069X2301C103
2-electrode arrester	**A80-A150X**

Features	Applications
▪ Standard size	▪ Modem
▪ Fast response time	▪ XDSL-splitter
▪ High current rating	▪ Tuner
▪ Stable performance over life	▪ Data lines
▪ Very low capacitance	▪ Antenna
▪ High insulation resistance	
▪ RoHS-compatible	

Electrical specifications

DC spark-over voltage [1) 2)]	150 ± 20	V %
Impulse spark-over voltage		
at 100 V/µs - for 99 % of measured values	< 500	V
- typical values of distribution	< 450	V
at 1 kV/µs - for 99 % of measured values	< 600	V
- typical values of distribution	< 550	V
Service life		
10 operations 50 Hz, 1 s	20	A
1 operation 50 Hz, 0.18 s (9 cycles)	100	A
10 operations 8/20 µs	20	kA
1 operation 8/20 µs	25	kA
1 operation 10/350 µs	2.5	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	~ 10 ~ 0.5 ~ 60	V A V
Weight	~ 2.5	g
Operation and storage temperature	-40 ... +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, blue negative	**EPCOS 150 YY O** 150 - Nominal voltage YY - Year of production O - Non radioactive	

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

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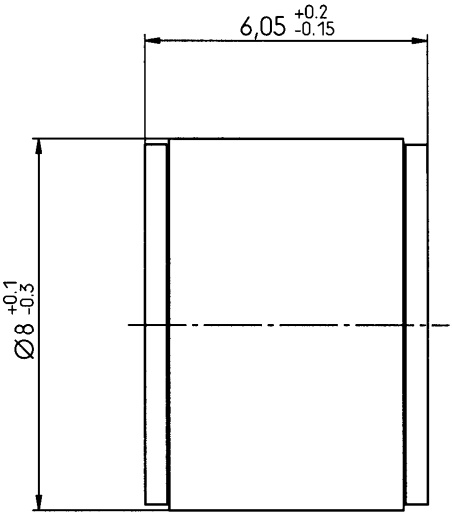
Dimensional drawing



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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