Surge arrester

3-electrode arrester

Series/Type: **T20-A250X**
Ordering code: **B88069X8810C203**
Version/Date: Issue 06 / 2010-11-19

Features

- Standard size
- Extremely fast response time
- Very high current rating
- Stable performance over life
- Very low capacitance
- High insulation resistance
- RoHS-compatible

Applications

- Line protection
- Station protection
- Base stations

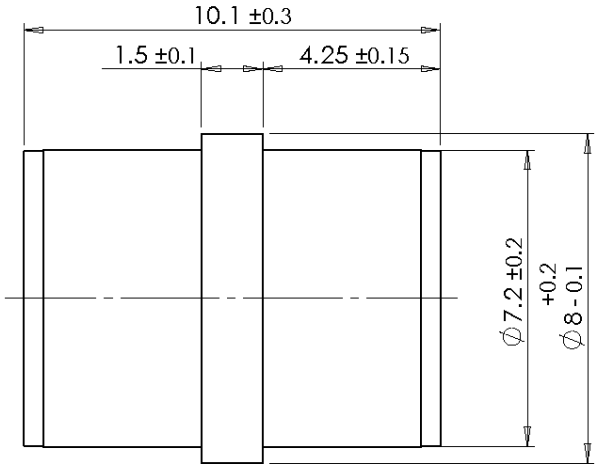
Electrical specifications

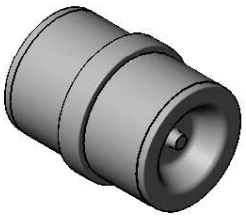
DC spark-over voltage [1) 2) 4)]		250 ± 20	V %
Impulse spark-over voltage [4)]			
at 100 V/µs	- for 99 % of measured values	< 500	V
	- typical values of distribution	< 400	V
at 1 kV/µs	- for 99 % of measured values	< 600	V
	- typical values of distribution	< 550	V
Service life			
10 operations	50 Hz; 1 s [5)]	20	A
1 operation	50 Hz; 0.18 s (9 cycles) [5)]	50	A
10 operations [5x (+) & 5x (-)]	8/20 µs [5)]	20	kA
10 operations	8/20 µs [6)]	20	kA
1 operation	8/20 µs [5)]	25	kA
2 operations	10/350 µs [5)]	5	kA
300 operations	10/1000 µs [5)]	200	A
Insulation resistance at 100 V_{dc} [4)]		> 10	GΩ
Capacitance at 1 MHz [4)]		< 1.5	pF
Transverse delay time [3)]		< 0.2	µs
Arc voltage at 1 A		~ 35	V
Glow to arc transition current		~ 1	A
Glow voltage		~ 200	V
Weight		~ 2	g
Operation and storage temperature		-40 ... +90	°C
Climatic category (IEC 60068-1)		40/ 90/ 21	
Marking, blue negative		**EPCOS** **250 YY O** 250 - Nominal voltage YY - Year of production O - Non radioactive	

1) At delivery AQL 0.65 level II, DIN ISO 2859
2) In ionized mode
3) Test according to ITU-T Rec. K.12
4) Tip or ring electrode to center electrode
5) Total current through center electrode, half value through tip respectively ring electrode.
6) Total current through center electrode, tip to ring shorted

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

Dimensional drawing in mm





tin-plated

Ordering code and packing advice

*B88069X8810**C203** = 2000 pcs in container*

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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