

Surge arrester

3-electrode arrester

Series/Type: T20-A250X Ordering code: B88069X88

Ordering code: B88069X8810C203

Version/Date: Issue 06 / 2010-11-19

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Surge arrester B88069X8810C203

3-electrode arrester T20-A250X

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 - typical values of distribution		< 500 < 400	V V
• • • • • • • • • • • • • • • • • • •	for 99 % of measured valuestypical values of distribution		V
Service life			
10 operations	50 Hz; 1 s ⁵⁾	20	Α
1 operation	50 Hz; 0.18 s (9 cycles) 5)	50	А
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	Α
Insulation resistance at 100 V _{dc} ⁴⁾		> 10	$G\Omega$
Capacitance at 1 MHz ⁴⁾		< 1.5	pF
Transverse delay time 3)		< 0.2	μs
Arc voltage at 1 A Glow to arc transition current Glow voltage		~ 35 ~ 1 ~ 200	V A 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	

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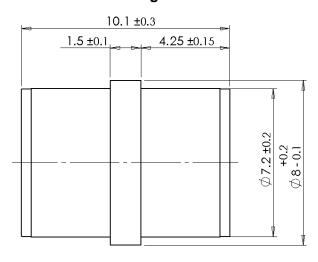
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- 1) At delivery AQL 0.65 level II, DIN ISO 2859
- 2) In ionized mode
- 3) Test according to ITU-T Rec. K.12
- ⁴⁾ Tip or ring electrode to center electrode
- Total current through center electrode, half value through tip respectively ring electrode.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





Ordering code and packing advice B88069X8810C203 = 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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