



Surge arrester

3-electrode arrester

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

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Features

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

Applications

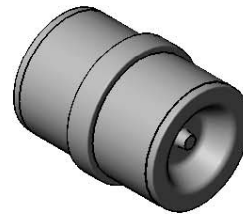
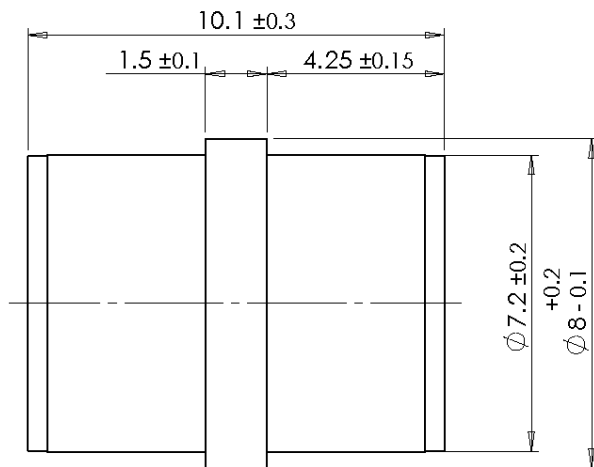
- Line protection
- Station protection
- Base stations

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
at 1 kV/μs - for 99 % of measured values - typical values of distribution	< 600 < 550	V 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

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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