

Surge arrester

3-electrode arrester

Series/Type: T80-A250X

Ordering code: B88069X8170C203

Version/Date: Issue 04 / 2006-07-10

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B88069X8170C203 Surge arrester

T80-A250X 3-electrode arrester

Features	Applications
 Standard size 	Line protection
 Fast response time 	 Station protection
 Very high current rating 	 Base stations
 Stable performance over life 	
 Very low capacitance 	
 High insulation resistance 	
 RoHS-compatible 	

Electrical specifications

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 < 450	V
at 1 kV/µs - for 99 % of measured values - typical values of distribution	< 650 < 600	V
Nominal impulse discharge current (wave 8/20 µs) 5) Single impulse discharge current (wave 8/20 µs) 5)	10 15	kA kA
Nominal alternating discharge current (50 Hz, 1 s) ⁵⁾ Alternating discharge current (50 Hz, 9 cycles) ⁵⁾	10 40	A 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 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, red negative	EPCOS 250 YY O 250 - Nominal voltage YY - Year of production O - Non radioactive	

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

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

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³⁾ Test according to ITU-T Rec. K.12

Tip or ring electrode to center electrode

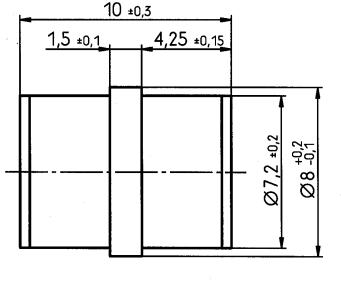
Total current through center electrode, half value through tip respectively ring electrode.



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3-electrode arrester T80-A250X

Dimensional drawing



Not to scale

Dimensions in mm

Non controlled document

Cautions and warnings

nickel-plated

- 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 lead contacts may fail or the component may be destroyed.
- Damaged surge arresters must not be re-used.



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