

Surge arrester

3-electrode arrester

 Series/Type:
 T20-A230X

 Ordering code:
 B88069X8710xxxx ^{a)}

 Version/Date:
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B88069X8710xxxx ^{a)} T20-A230X

Features		Applications	
-	Standard size	-	Line protection
-	Extremely 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

DC spark-over voltage ^{1) 2) 4)}		230 ± 20	V %
Impulse spark-over voltage ⁴⁾ at 100 V/µs - for 99 % of me - typical values of	< 400 < 350	V V	
at 1 kV/µs - for 99 % of me - typical values		< 500 < 450	V V
Service life			
10 operations	50 Hz; 1 s ⁵⁾	10	А
1 operation	50 Hz; 0.18 s (9 cycles) ⁵⁾	50	А
10 operations [5x (+) & 5x (-)]	8/20 μs ⁵⁾	20	kA
1 operation	8/20 µs ⁵⁾	25	kA
1 operation	10/350 µs ⁵⁾	5	kA
300 operations	10/1000 µs ⁵⁾	200	А
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, blue negative		EPCOS 230 YY O 230 - Nominal voltage YY - Year of production O - Non radioactive	

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Please read *Cautions and warnings* and *Important notes* at the end of this document.

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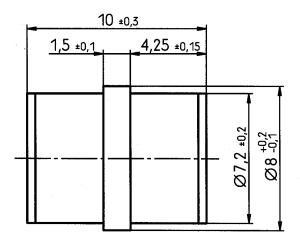
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T20-A230X

- ^{a)} xxxx = C252 (container with 250 pcs.) = C203 (container with 2000 pcs.)
- 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 gurrant through center electrode
- ⁵⁾ Total current through center electrode, half value through tip respectively ring electrode.

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

Dimensional drawing



Not to scale

Dimensions in mm

Non controlled document

nickel-plated

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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