

Surge arrester

3-electrode arrester

 Series/Type:
 T30-A230X

 Ordering code:
 B88069X3060C253

 Version/Date:
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T30-A230X

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

Electrical specifications

DC spark-over voltage	e ^{1) 2) 4)}		230 ± 20	V %
Impulse spark-over voltage ⁴⁾ at 100 V/µs - for 99 % of measured values - typical values of distribution			< 400 < 350	V V
at 1 kV/µs		measured values es of distribution	< 450 < 420	V V
Service life				
10 operations		50 Hz; 1 s ⁵⁾	10	А
1 operation		50 Hz; 0.18 s (9 cycles) ⁵⁾	30	А
10 operations [5x (+) & 5x (-)]		8/20 µs ⁵⁾	10	kA
1 operation		8/20 µs ⁵⁾	10	kA
1 operation		10/350 μs ⁵⁾	5	kA
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 Glow voltage	current		~ 30 ~ 1 ~ 200	V A V
Weight			~ 1.4	g
Operation and storage	e 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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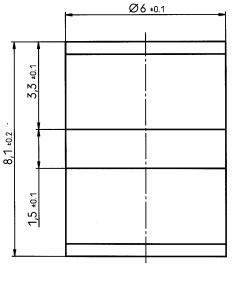
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T30-A230X

- 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.

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

Dimensional drawing



tin-plated

Not to scale Dimensions in mm Non controlled document

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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