

Surge arrester

3-electrode arrester

Series/Type: T32-A230X

Ordering code: B88069X3280B502 Version/Date: Issue 04 / 2007-08-10

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Surge arrester B88069X3280B502
3-electrode arrester T32-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 1) 2) 4)			230 ± 20	V %
Impulse spark-over vo		mageured values	< 400	V
αι 100 ν/μ3	for 99 % of measured valuestypical values of distribution		< 350	V
at 1 kV/µs	for 99 % of measured valuestypical values of distribution		< 450 < 420	V V
Service life				
10 operations	5	50 Hz; 1 s ⁵⁾	10	Α
1 operation		50 Hz; 0.18 s (9 cycles) 5)	30	Α
10 operations	S [5x (+) & 5x (-)]	8/20 µs ⁵⁾	10	kA
1 operation		8/20 µs ⁵⁾	10	kA
1 operation		10/350 μs ⁵⁾	2	kA
Insulation resistance at 100 V _{dc} ⁴⁾		> 10	$G\Omega$	
Capacitance at 1 MHz	4)		< 1.5	pF
Transverse delay time	e ³⁾		< 0.2	μs
Arc voltage at 1 A			~ 30	V
Glow to arc transition current		~ 1	A	
Glow voltage			~ 200	V
Weight			~ 1.2	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		

KB AB E / KB AB PM Issue 04 / 2007-08-10



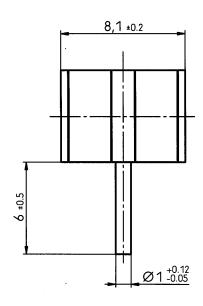
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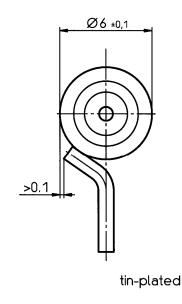
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- At delivery AQL 0.65 level II, DIN ISO 2859
- 2) In ionized mode
- 3) Test according to ITU-T Rec. K.12
- 4) Tip or ring electrode to center electrode
- 5) Total current through center electrode, half value through tip respectively ring electrode.

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

Dimensional drawing





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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