

3-electrode arrester

Series/Type:T20-C350XSMDNOrdering code:B88069X5581T502Version/Date:Issue 02 / 2008-09-25

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3-electrode arrester

B88069X5581T502 T20-C350XSMDN

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 		
 Excellent SMD handling 		
 RoHS-compatible 		

Electrical specifications

DC spark-over voltage ^{1) 2) 4)}		300 500	V
Impulse spark-over voltage ⁴⁾ at 100 V/µs - for 99 % of measured values - typical values of distribution		< 650 < 550	VVV
at 1 kV/μs	 for 99 % of measured values typical values of distribution 	< 800 < 750	V V
Service life 10 operations		10 130	A
1 operations 10 operations 1 operation		20 25	kA kA
400 operations	>	1000	A
Insulation resistance at 100 $V_{dc}^{4)}$		> 10	GΩ
Capacitance at 1 MHz ⁴⁾		< 1.5	pF
Transverse delay time 3)		< 1	ms
DC hold-over voltage ³⁾ at 150V _{dc} / 200 mA		< 150	ms
Arc voltage at 1 A Glow to arc transition current Glow voltage		~ 30 ~ 1 ~ 200	V A V
Weight		~ 2	g
Operation and storage temperature		-40 +90	°C
Climatic category (IEC 60068-1)		40/ 90/ 21	
YY - Ye		350 YY O 350 - Nominal vo YY - Year of pro	duction

KB AB E / KB AB PM

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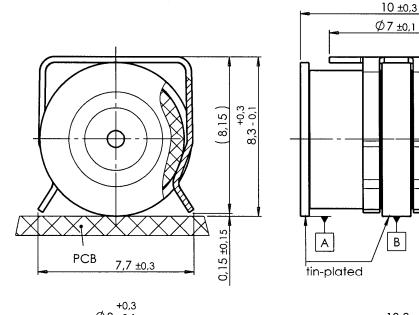
3-electrode arrester

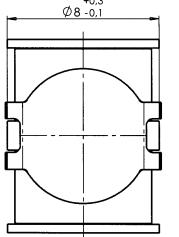
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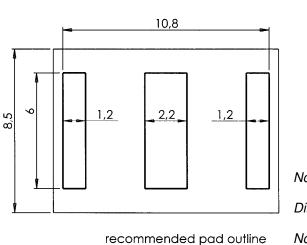
- 1) At delivery AQL 0.65 level II, DIN ISO 2859
- 2) In ionized mode
- 3)
- Test according to RUS PE80 Tip or ring electrode to center electrode 4)
- 5) Total current through center electrode, half value through tip respectively ring electrode.

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

Dimensional drawing







=

0,2 AB

Not to scale Dimensions in mm

Non controlled document

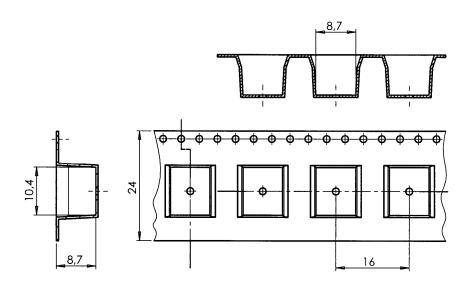


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Packing advice

T502 = SMD-tape with 500 pcs



SMD-tape according to IEC 60286-3

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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