

Surge arrester

3-electrode arrester

Series/Type:T23-A350XOrdering code:B88069X7200B502Date:0040.04.00

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T23-A350X

B88069X7200B502

Surge arrester

3-electrode arrester

Features

- Standard size
- Fast response time
- Very high current rating
- Stable performance over life
- Very low capacitance

Electrical specifications

- High insulation resistance
- RoHS-compatible

Applications

- Line protection
- Station protection
- Base stations

DC spark-over voltag	350	V		
Tolerance	-		±20	%
Min.			280	V
Max.			420	V
Impulse spark-over v	/oltage 3)			
at 100 V/μs	< 650	V		
- typical values of distribution			< 550	V
at 1 kV/µs - for 99% of measured values			< 700	V
	 typical values 	s of distribution	< 600	V
Service life				
10 operatio	ons	50 Hz; 1 s ⁴⁾	10	А
1 operatio	on	50 Hz; 0.18 s (9 cycl.) ⁴⁾	50	А
10 operatio	ons	8/20 μs ⁴⁾	20	kA
1 operatio	on	8/20 μs ⁴⁾	25	kA
5 operatio	ons	10/250 µs ⁴⁾	5	kA
1 operatio	on	10/350 µs ⁴⁾	5	kA
300 operatio	ons	5/320 µs ^{4) 5)}	200	А
Insulation resistance	> 10	GΩ		
Capacitance at 1 MH	< 1.5	pF		
Transverse delay tim	< 0.2	μs		
Arc voltage at 1 A	~ 35	V		
Glow to arc transition	< 1	A		
Glow voltage	~ 200	V		
Weight			~ 2.2	g
Operation and storage	-40 +125	°C		
Climatic category (IE	40/125/21			
Marking, blue negative			EPCOS 350 YY O 350 - Nominal voltage YY - Year of production O - Non radioactive	

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PPD AB PD / PPD AB PM

2016-04-26



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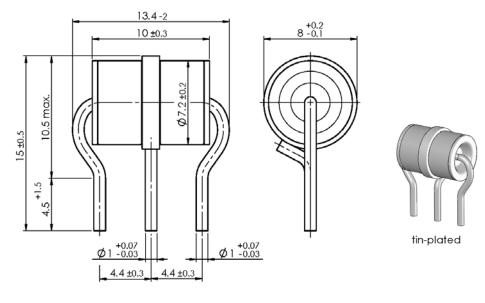
T23-A350X

Certifications	UL 497B (E163070)	91
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- ¹⁾ At delivery AQL 0.65 level II, DIN ISO 2859
- ²⁾ In ionized mode
- ³⁾ Tip or ring electrode to center electrode
- ⁴⁾ Total current through center electrode, half value through tip respectively ring electrode.
- ⁵⁾ Test generator 4 kV, 10/700 μ s, 40 Ω
- ⁶⁾ Test according to ITU-T Rec. K.12

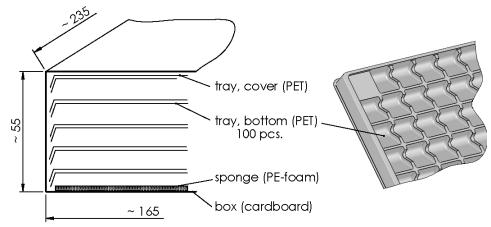
Terms in accordance with ITU-T Rec. K.12; IEC 61663-2 and IEC 61643-311.

Dimensional drawing in mm



Ordering code and packing advice

B88069X7200**B502** = 500 pcs. on trays



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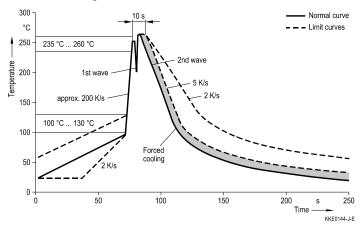
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Soldering parameter

Wave soldering



Wave profile features	Pb-free assembly	
Solder	Sn 95.5 / Ag 3.8 / Cu 0.7	
Solder bath temperature	263 (±3) °C	
Dwell time	< 3 s	

Soldering profile applied to a single soldering process.

Cautions and warnings

- Do not operate surge arresters in power supply networks, whose maximum operating voltage exceeds the minimum spark-over voltage of the surge arresters.
- If the contacts of the surge arresters are defective, current load can cause sparks and loud noises.
- Surge arresters may become hot in the event of longer periods of current stress (burn risk). In the event of overload the connectors may fail or the component may be destroyed.
- Surge arresters must be handled with care and must not be dropped.
- Do not continue to use damaged surge arresters.

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