

Surge arrester

3-electrode arrester

Series/Type: T23-C600X

Ordering code: B88069X8120B502

Date: 2019-08-29

Version: 05

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Surge arrester B88069X8120B502

3-electrode arrester T23-C600X

Features

- Standard size
- Fast response time
- High current rating
- Stable performance over life
- Very low capacitance
- High insulation resistance
- RoHS-compatible

Applications

- Base stations
- Line protection
- Station protection

Electrical specifications

	420 700	V
sured values	< 900	V
f distribution	< 800	V
at 1 kV/µs - for 99% of measured values		V
f distribution	< 950	V
50 Hz; 1 s ⁴⁾	20	Α
50 Hz; 0.18 s (9 cycl.) 4) 5)	130	Α
8/20 μs ⁴⁾	20	kA
	40	kA
	5	kA
10/1000 μs ⁴⁾	1000	Α
	> 10	$G\Omega$
	< 1.5	pF
	< 0.2	μs
	~ 20	V
	< 0.5	Α
	~ 200	V
	~ 2.2	g
	-40 +125	°C
	40/125/21	
	EPCOS 600 YY O 600 - Nominal voltage YY - Year of producti O - Non radioactive	on
	UL 497B (E163070)	FL.
S	distribution sured values distribution 50 Hz; 1 s 4) 50 Hz; 0.18 s (9 cycl.) 4) 5)	sured values distribution sured values distribution 50 Hz; 1 s ⁴⁾ 50 Hz; 0.18 s (9 cycl.) ^{4) 5)} 8/20 µs ⁴⁾ 10/350 µs ⁴⁾ 10/1000 µs ⁴⁾ 10/1000 µs ⁴⁾ 10/1000 µs ⁴⁾ EPCOS 600 YY O 600 Nominal voltage YY - Year of production O Non radioactive

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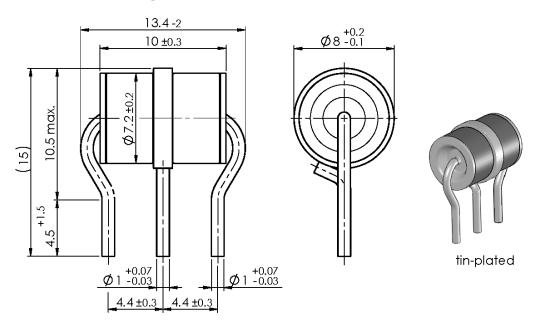
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- 1) At delivery AQL 0.65 level II, DIN ISO 2859
- 2) In ionized mode
- 3) Tip or ring electrode to center electrode
- Total current through center electrode, half value through tip respectively ring electrode
- 5) DC spark-over values may exceed ±30 % after stress, but tubes still operates w/o venting
- Test according to ITU-T Rec. K.12

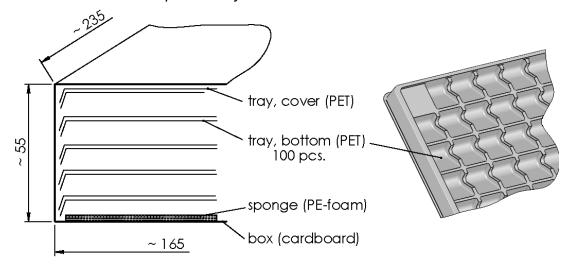
Terms in accordance with ITU-T Rec. K.12 and IEC 61643-311.

Dimensional drawing in mm



Ordering code and packing advice

B88069X8120**B502** = 500 pcs. on trays



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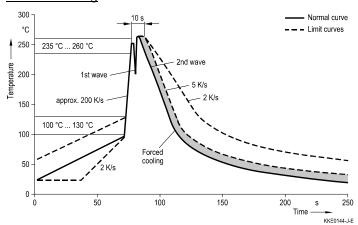


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Soldering parameter

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	<3s

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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Release 2018-10