

Surge arrester

2-electrode arrester

Version:

 Series/Type:
 EC600X

 Ordering code:
 B88069X0780S102

 Date:
 2019-07-10

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EC600X

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Surge arrester

2-electrode arrester

Features

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

Applications

- Branch exchange
- Line protection
- Subscriber protection
- Alarm system
- Tuner
- Antenna protection

Electrical specifications				
DC spark-over voltag Tolerance Min. Max.	e ¹⁾²⁾		600 -10 / +20 540 720	V % V V
- typical val at 1 kV/μs - for 99% o		f measured values lues of distribution f measured values lues of distribution	< 1200 < 1000 < 1300 < 1100	V V V V
Service life 10 operati 1 operati 10 operati 1 operati 1 operati	on ons on	50 Hz, 1 s 50 Hz, 0.18 s (9 cycles) 8/20 μs 8/20 μs 10/350 μs	10 65 5 10 1	A A kA kA
1000000000000000000000000000000000000			> 10	GΩ pF
Arc voltage at 1 A Glow to arc transition current Glow voltage			~ 12 < 0.1 ~ 60	V A V
Weight			~ 1.5	g
Operation and storage temperature Climatic category (IEC 60068-1)			-40 +125 40/125/21	°C
Marking, red positive	5 50000-1)		EPCOS EC 600 YY O EC - Series 600 - Nominal voltage YY - Year of production O - Non radioactive	
Certifications			UL 497B (E163070) UL 1449 (E319264)	

¹⁾ At delivery AQL 0.65 level II, DIN ISO 2859

²⁾ In ionized mode

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

PPD AB PD / PPD AB PM

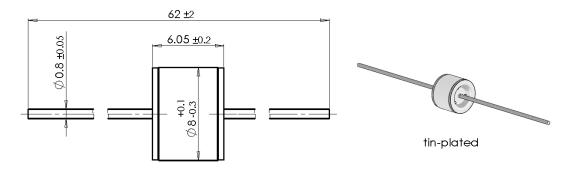


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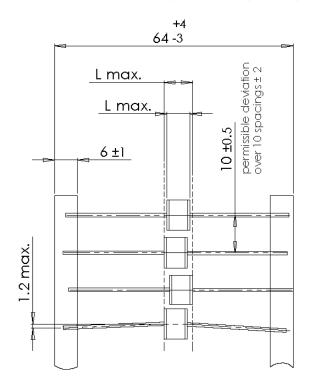
B88069X0780S102 EC600X

Dimensional drawing in mm

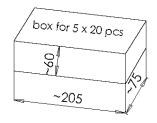


Ordering codes and packing advices

B88069X0780**S102** = 100 pcs. on 5 taped stripes



tape acc. to IEC 60286-1



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Please read Cautions and warnings and Important notes at the end of this document.

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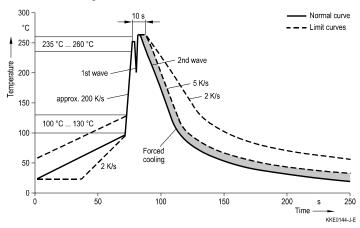
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Soldering parameter

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.
- 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.
- If the contacts of the surge arresters are defective, current load can cause sparks and loud noises.
- Surge arresters must be handled with care and must not be dropped.
- Do not continue to use damaged surge arresters.

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