

2-electrode arrester

Series/Type: Ordering code:	G31-A200X B88069X8801****
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2-electrode arrester

B88069X8801****

G31-A200X

Features

- Small size
- Fast response time
- Stable performance over life
- Low capacitance
- High insulation resistance
- RoHS-compatible

Applications

- Ethernet, PoE, xDSL
- Cable modem, splitter, line cards
- CCTV
- Applications with limited space

Electrical specifications			
DC spark-over voltage ^{1) 2)} Tolerance Min. Max.		200 ±20 160 240	V % V V
Impulse spark-over voltage at 100 V/µs - for 99% of meas - typical values of at 1 kV/µs - for 99% of meas - typical values of	distribution ured values	< 500 < 450 < 700 < 650	V V V V
Service life ³⁾ 300 operations 10 operations [5× (+) & 5× (-)] 1 operation 400 operations	8/20 μs 8/20 μs 8/20 μs contact discharge ⁴⁾	100 1 2 500	A kA kA
Insulation resistance at 100 V _{DC}		> 1	GΩ
Capacitance at 1 MHz		< 0.5	pF
Arc voltage at 1 A Glow to arc transition current Glow voltage		~ 10 < 1.0 ~ 60	V A V
Weight		~ 0.2	g
Operation and storage temperature		-40 +125	°C
Climatic category (IEC 60068-1)		40/125/21	
Marking		without	
Certification		UL 1449 (E319264)	c RN ° us

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.

³⁾ Tests according to ITU-T Rec. K. 12 and UL 1449

 $^{^{4)}~}$ Contact discharge parameters: 1500 pF, 10 kV, 20 Ω

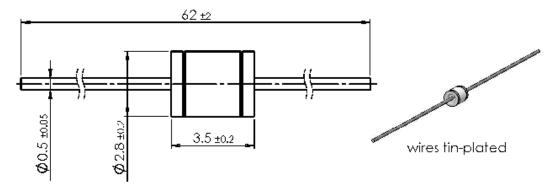


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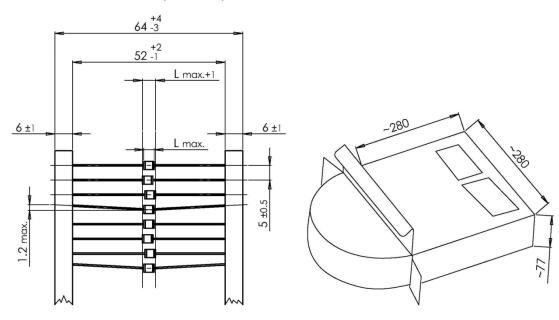
G31-A200X

Dimensional drawing in mm



Ordering codes and packing advices

B88069X8801**K203** =2000 pcs. on tape and reel

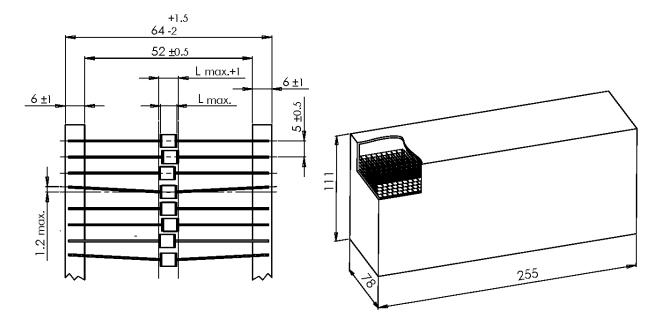




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B88069X8801**P103** =1000 pcs. on tape and ammo pack





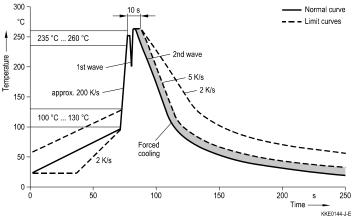
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Soldering parameter

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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