

# Surge arrester

2-electrode arrester

Version:

 Series/Type:
 G31-A75X

 Ordering code:
 B88069X8091B502

 Date:
 2019-11-04

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G31-A75X

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# 2-electrode arrester

## Features

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

#### **Electrical specifications**

# Applications

- ESD protection
- Applications with limited space

±20 60 90 < 350 < 300 < 650 < 600 100	% V V V V V V V A
90 < 350 < 300 < 650 < 600 100	V V V V V
< 350 < 300 < 650 < 600 100	V V V V
< 300 < 650 < 600 100	V V V
< 300 < 650 < 600 100	V V V
< 650 < 600 100	VVV
< 600	V
100	
	А
	А
1	
1	kA
2	kA
scharge <sup>4)</sup> 500	А
> 1	GΩ
< 0.5	pF
~ 10	V
< 1	А
~ 60	V
~ 0.2	g
-40 +125	°C
40/125/21	
without	
	< 1 ~ 60 ~ 0.2 40 +125 40/125/21

<sup>1)</sup> At delivery AQL 0.65 level II, DIN ISO 2859

- <sup>2)</sup> In ionized mode
- <sup>3)</sup> Tests according to ITU-T Rec. K. 12 and UL 497B
- $^{4)}$   $\,$  Contact discharge parameters: 1500 pF, 10 kV, 20  $\Omega$

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

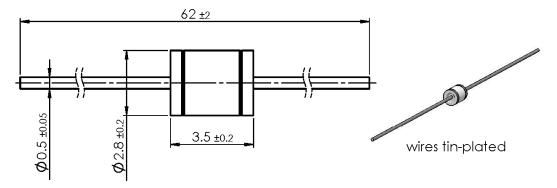


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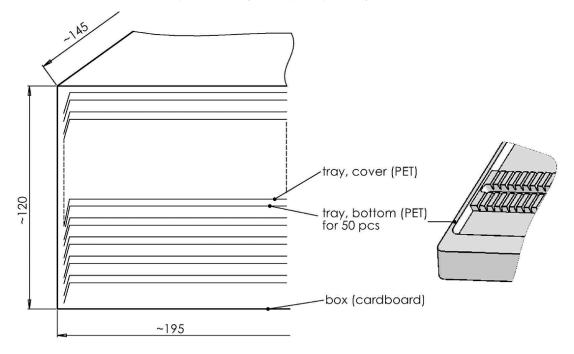
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#### Dimensional drawing in mm



#### Ordering codes and packing advices

B88069X8091B502 = 500 pcs. on trays (50 pcs. per tray)





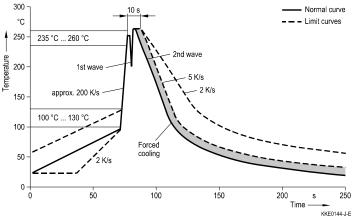
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#### Soldering parameter

#### 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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