

# Surge arrester

2-electrode arrester

Series/Type: **EM150X** Ordering code:

B88069X5921\*\*\*\*

2019-07-15 Date:

Version: 03

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Surge arrester B88069X5921\*\*\*\*

#### 2-electrode arrester EM150X

#### **Features**

- Small size
- Fast response time
- High current handling capability
- Stable performance over service life
- Low capacitance and insertion loss
- High insulation resistance
- RoHS-compatible

## **Applications**

- Power supplies
- Antenna protection
- Air condition
- Modem
- Consumer electronics
- Dataline protection

### **Electrical specifications**

UIIS		
<del>)</del> 1) 2)	150	V
	_	%
		V
	180	V
oltage		
at 100 V/µs - for 99% of measured values		V
<ul> <li>typical values of distribution</li> </ul>	< 400	V
- for 99% of measured values	< 600	V
- typical values of distribution	< 550	V
50 Hz, 1 s	2.5	Α
50 Hz, 0.18 s (9 c	ycles) 5	Α
s 8/20 µs	2.5	kA
8/20 µs	5	kA
at 100 V <sub>DC</sub>	> 1	$G\Omega$
!	< 1	pF
	~ 10	V
current	< 0.3	Α
	~ 60	V
	~ 1	g
e temperature	-40 <b>+1</b> 2	5 °C
C 60068-1)	40/125/21	·
		EM 150 YY O
		ries minal voltage
		ar of production
		n radioactive
	Itage - for 99% of measured values - typical values of distribution - for 99% of measured values - typical values of distribution  50 Hz, 1 s 50 Hz, 0.18 s (9 c 8/20 µs 8/20 µs at 100 V <sub>DC</sub>	150 ±20 120 180  Itage - for 99% of measured values - typical values of distribution

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

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

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<sup>2)</sup> In ionized mode

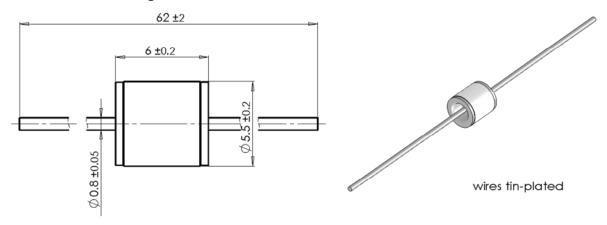


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## 2-electrode arrester

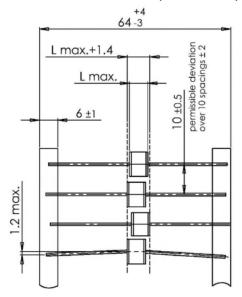
**EM150X** 

## Dimensional drawing in mm

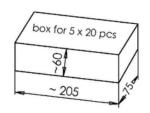


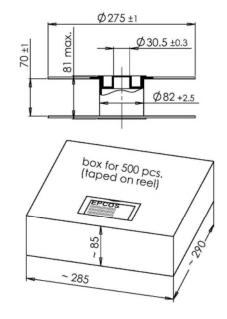
## Ordering codes and packing advices

B88069X5921**S102** = 100 pcs. on 5 taped stripes B88069X5921**T502** = 500 pcs. on tape and reel



tape acc. to IEC 60286-1





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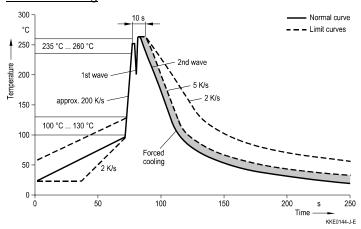


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#### 2-electrode arrester EM150X

#### 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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## Important notes

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