

2-electrode arrester

Series/Type: Ordering code:	EM3000XS B88069X4231****
Date:	2019-03-07
Version:	07

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### 2-electrode arrester

B88069X4231\*\*\*\*

### EM3000XS

### Features

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

## Applications

- Modem
- XDSL-splitter
- Station protection
- Consumer electronics
- Tuner

### **Electrical specifications**

3000	V
±20	%
	V
3600	V
< 3800	V
< 3600	V
< 4000	V
< 3800	V
1	A
100	A
3	kA
5	kA
> 1	GΩ
< 1	pF
~ 35	V
< 0.3	А
~ 170	V
1250	V
1500	V
~ 1	g
-40 +125	°C
+5 +35	°C
45 80	%
≤ <b>2</b>	years
40/125/21	
_	$\begin{array}{c} \pm 20\\ 2400\\ 3600\\ < 3800\\ < 3600\\ < 4000\\ < 3800\\ \end{array}$ $\begin{array}{c} 1\\ 1\\ 100\\ 3\\ 5\\ \\ > 1\\ < 1\\ \\ < 1\\ \\ < 1\\ \\ < 1\\ \\ < 35\\ < 0.3\\ \\ - 170\\ \end{array}$ $\begin{array}{c} 1\\ 2\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$

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### 2-electrode arrester

Marking, blue positive	EPCOS EM 3000 YY OEM- Series3000- Nominal voltageYY- Year of productionO- Non radioactive
Certifications	UL 1449 (E319264)

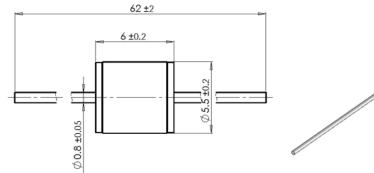
<sup>1)</sup> At delivery AQL 0.65 level II, DIN ISO 2859

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

<sup>3)</sup> Test conditions in acc. with MIL-STD-202G at 25 ±5 °C, relative humidity of ≤ 55% and atmospheric pressure 860 ... 1100mbar.

Terms and current waveforms in accordance with: ITU-T Rec. K. 12; IEC 61643-21; 61643-311.

### Dimensional drawing in mm

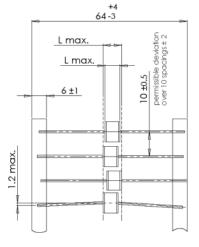


### **Ordering codes and packing advices** *B88069X4231***S102** = 100 pcs. on 5 taped stripes

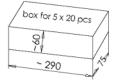
B88069X4231**T502** = 500 pcs. on tape & reel

I

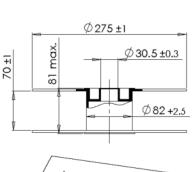
wires tin-plated

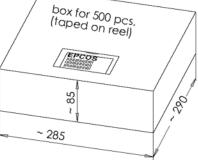


tape acc. to IEC 60286-1



PPD AB PD / PPD AB PM





B88069X4231\*\*\*\*

EM3000XS

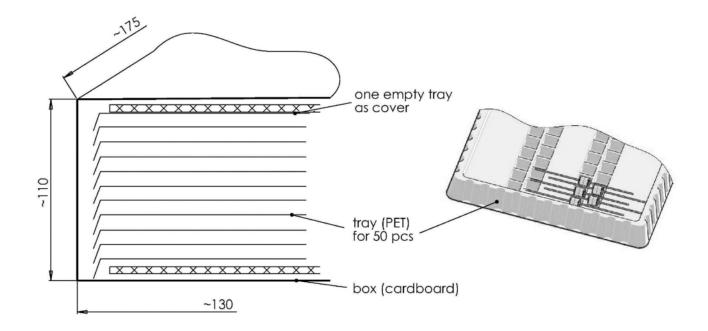
Version: 07 / 2019-03-07



2-electrode arrester

B88069X4231\*\*\*\* EM3000XS

B88069X4231**B502** = 500 pcs. on trays



# **②TDK**

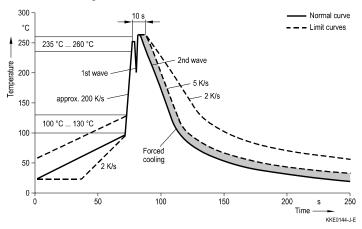
### Surge arrester

### 2-electrode arrester

B88069X4231\*\*\*\* EM3000XS

### 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.
- Electromagnetic fields and ionizing radiation may affect the electrical characteristics of the arrester. The impact of such effects (inductive and capacitive field distortion from adjacent components) must be avoided by appropriate circuit design measures.
- 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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Release 2018-10

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