

Surge arrester

2-electrode arrester

Series/Type: A61-A230XHC Ordering code: B88069X6883****

Date: 2020-12-11

Version: 01

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Surge arrester B88069X6883****

2-electrode arrester A61-A230XHC

Features

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

Applications

- Tower mounted amplifier
- Consumer electronic
- Alarm systems

Electrical specifications

| • | | | |
|---|------------|--|----|
| DC spark-over voltage 1) 2) | | 230 | V |
| Tolerance | | ±20 | % |
| Min. | | 184 | V |
| Max. | | 276 | V |
| Impulse spark-over voltage | | | |
| at 100 V/µs - for 99% of measured values - typical values of distribution | | < 550 | V |
| | | < 500 | V |
| at 1 kV/µs - for 99% of measured values - typical values of distribution | | < 650 | V |
| | | < 600 | V |
| Service life | | | |
| 10 operations | 50 Hz, 1 s | 20 | Α |
| 10 operations [5x (+) & 5x (-)] | 8/20 µs | 20 | kA |
| 1 operation | 10/350 μs | 2.5 | kA |
| 300 operations | 10/1000 µs | 100 | Α |
| Insulation resistance at 50 V _{DC} | | > 10 | GΩ |
| Capacitance at 1 MHz | | < 1 | pF |
| Arc voltage at 1 A | | ~ 10 | V |
| Glow to arc transition current | | < 0.5 | Α |
| Glow voltage | | ~ 65 | V |
| Weight | | ~ 1 | g |
| Operation and storage temperature | | -40 +125 | °C |
| Climatic category (IEC 60068-1) | | 40/125/21 | |
| Marking, blue positive | | EPCOS 230 YY O 230 - Nominal voltage YY - Year of production O - Non radioactive | |

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

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

²⁾ In ionized mode

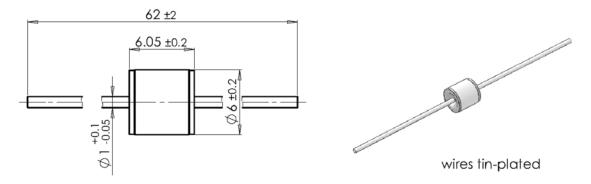


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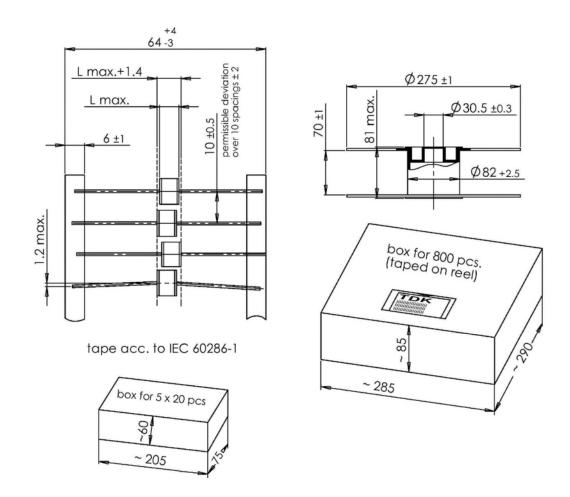
A61-A230XHC

Dimensional drawing in mm



Ordering codes and packing advices

B88069X6883**\$102** = 100 pcs. on 5 taped stripes B88069X6883**T802** = 800 pcs. on tape & reel



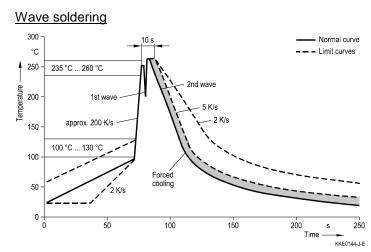


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Soldering parameter



| 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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