

Surge arrester

2-electrode arrester

| Series/Type: Ordering code: | A71-H35X B88069X2200**** |
|--------------------------------|-----------------------------|
| Date: | 2017-04-24 |
| Version: | 10 |

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A71-H35X

B88069X2200****

Surge arrester

2-electrode arrester

Features

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

Applications

- Power supply
- Consumer electronics
- Air-con

| Electrical specifications | | |
|---|--|--------------------------|
| DC spark-over voltage ^{1) 2)} Tolerance Min. Max. | 3500 ±20 2800 4200 | V % V V |
| Impulse spark-over voltage at 100 V/µs - for 99% of measured values - typical values of distribution at 1 kV/µs - for 99% of measured values - typical values of distribution | < 4900 < 4800 < 5000 < 4900 | V V V V |
| Service life 10 operations 50 Hz, 1 s 1 operations 50 Hz, 0.18 s (9 cycles) 10 operations 8/20 µs 1 operation 8/20 µs Insulation resistance at 100 V _{DC} | 10 20 10 15 > 10 | A A kA kA GΩ |
| Capacitance at 1 MHz | <1 | pF |
| Arc voltage at 1 A Glow to arc transition current Glow voltage | ~ 20 < 1 ~ 180 | V A V |
| Weight | ~ 2 | g |
| Operation and storage temperature | -40 +125 | °C |
| Climatic category (IEC 60068-1) | 40/125/21 | |
| Marking, green positive | EPCOS 3500 YY O3500- Nominal voltageYY- Year of productionO- Non radioactive | |
| Certifications | UL 1449 (E319264) | c Ru s |

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.

PPD AB PD / PPD AB PM



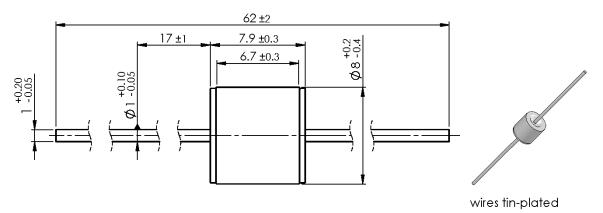
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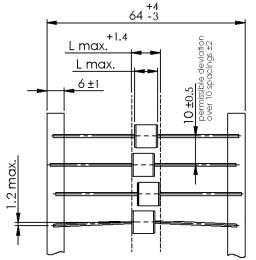
A71-H35X

Dimensional drawing in mm

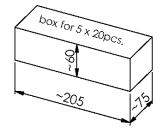


Ordering codes and packing advices

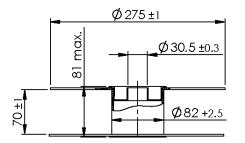
B88069X2200**S102** = 100 pcs. on 5 taped stripes

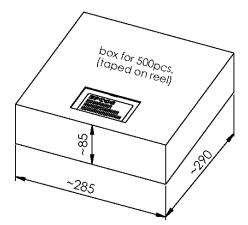


tape acc. to IEC 60286-1



B88069X2200**T502** = 500 pcs. on tape & reel





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Surge arrester

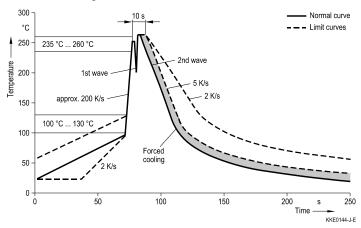
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Soldering parameter

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.
- 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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