

Surge arrester

2-electrode arrester

Series/Type: A80-A600X

Ordering code: B88069X2900C103

2019-06-26 Date:

Version: 05

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Surge arrester B88069X2900C103

2-electrode arrester A80-A600X

Features

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

Applications

- Branch exchange (MDF)
- Line protection
- Subscriber protection

Electrical specifications

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|--|---|--|--------------|
| DC spark-over voltage 1) 2) Tolerance Min. Max. | | 600 ±20 480 720 | V % V |
| | | | |
| Impulse spark-over voltage at 100 V/µs - for 99% of measured values | | < 1100 | V |
| • | pical values of distribution | < 950 | V |
| at 1 kV/µs - for | 99% of measured values pical values of distribution | < 1400 < 1100 | V |
| Service life | | | |
| 10 operations | 50 Hz, 1 s | 20 | Α |
| 1 operation | 50 Hz, 0.18 s (9 cycles) | 100 | Α |
| 10 operations | 8/20 µs | 20 | kA |
| 1 operation | 8/20 µs | 25 | kA |
| 1 operation | 10/350 μs | 2.5 | kA |
| Insulation resistance at 100 V _{DC} | | > 10 | GΩ |
| Capacitance at 1 MHz | | < 1.5 | pF |
| Arc voltage at 1 A | | ~ 15 | V |
| Glow to arc transition current | | < 0.5 | Α |
| Glow voltage | | ~ 60 | V |
| Weight | | ~ 1.5 | g |
| Operation and storage temperature | | -40 +125 | °C |
| Climatic category (IEC 60068-1) | | 40/125/21 | |
| Marking, blue negative | | EPCOS 600 YY O 600 - Nominal voltage YY - Year of production O - Non radioactive | |
| Certification | | UL 497B (E163070) | <i>7</i> 12° |

¹⁾ 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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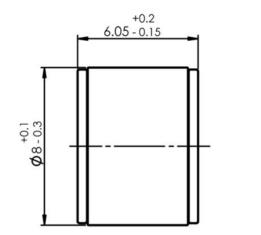
²⁾ In ionized mode



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Dimensional drawing in mm

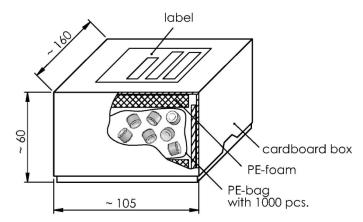




nickel plated

Ordering code and packing advice

B88069X2900**C103** = 1000 pcs. in container



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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