

# ANTREX Electronics

## Electronic Components Sourcing Information

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### Product Reference Information

**Part Number:** B88069X4630C253  
**Manufacturer:** TDK  
**Package:** Bulk  
**Availability:** Please confirm with sales

**Product Page:**

<https://antrexco.com/product/details/tdk/b88069x4630c253.html>

**Request a Quote:**

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### Contact Information

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New & Original Components

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**Note:**

This PDF includes an ANTREX product reference cover page.

The original manufacturer datasheet follows from the next page.



## Surge arrester

### 2-electrode arrester

|                       |                        |
|-----------------------|------------------------|
| <b>Series/Type:</b>   | <b>M50-A350X</b>       |
| <b>Ordering code:</b> | <b>B88069X4630C253</b> |
| <b>Date:</b>          | <b>2026-04-01</b>      |
| <b>Version:</b>       | <b>05</b>              |

## Surge arrester

B88069X4630C253

## 2-electrode arrester

M50-A350X

### Features

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

### Applications

- Branch exchange
- Line protection
- Subscriber protection
- Alarm system

### Electrical specifications

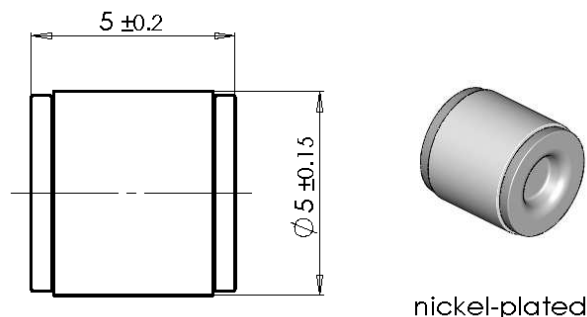
|                                              |                                                                       |                                                                                       |
|----------------------------------------------|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| DC spark-over voltage <sup>1) 2)</sup>       | 350                                                                   | V                                                                                     |
| Tolerance                                    | ±20                                                                   | %                                                                                     |
| Min.                                         | 280                                                                   | V                                                                                     |
| Max.                                         | 420                                                                   | V                                                                                     |
| Impulse spark-over voltage                   |                                                                       |                                                                                       |
| at 100 V/μs - for 99% of measured values     | < 800                                                                 | V                                                                                     |
| - typical values of distribution             | < 750                                                                 | V                                                                                     |
| at 1 kV/μs - for 99% of measured values      | < 900                                                                 | V                                                                                     |
| - typical values of distribution             | < 800                                                                 | V                                                                                     |
| Service life                                 |                                                                       |                                                                                       |
| 10 operations 50 Hz, 1 s                     | 5                                                                     | A                                                                                     |
| 1 operation 50 Hz, 0.18 s (9 cycles)         | 10                                                                    | A                                                                                     |
| 10 operations 8/20 μs                        | 5                                                                     | kA                                                                                    |
| 1 operation 8/20 μs                          | 10                                                                    | kA                                                                                    |
| 1 operation 10/350 μs                        | 0.5                                                                   | kA                                                                                    |
| Insulation resistance at 100 V <sub>DC</sub> | > 1                                                                   | GΩ                                                                                    |
| Capacitance at 1 MHz                         | < 1                                                                   | pF                                                                                    |
| Arc voltage at 1 A                           | ~ 15                                                                  | V                                                                                     |
| Glow to arc transition current               | < 0.5                                                                 | A                                                                                     |
| Glow voltage                                 | ~ 60                                                                  | V                                                                                     |
| Weight                                       | ~ 1                                                                   | g                                                                                     |
| Operation and storage temperature            | -40 ... +125                                                          | °C                                                                                    |
| Climatic category (IEC 60068-1)              | 40/125/21                                                             |                                                                                       |
| Marking, blue negative                       | <b>TDK 350 YY</b><br>350 - Nominal voltage<br>YY - Year of production |                                                                                       |
| Certifications                               | UL 497B (E163070)                                                     |  |

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

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

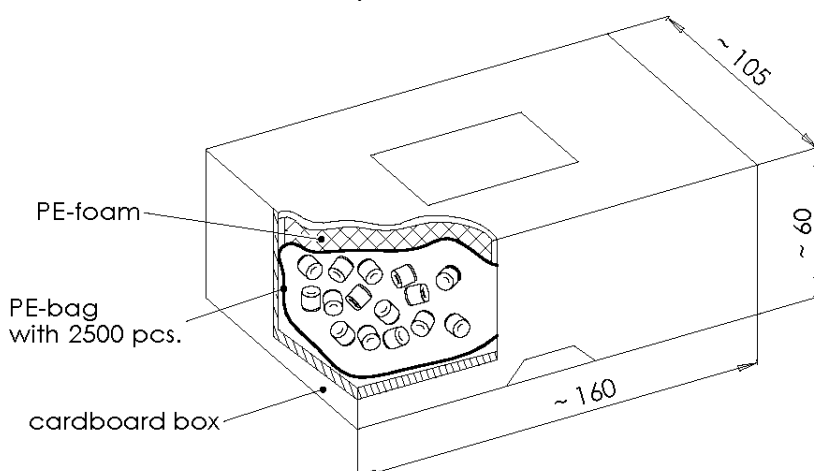
Terms in accordance with ITU-T Rec. K.12 and IEC 61643-311.

### Dimensional drawing in mm



### Ordering codes and packing advices

**B88069X4630C253** = 2500 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.
- 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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