

# ANTREX Electronics

## Electronic Components Sourcing Information

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### Product Reference Information

**Part Number:** B88069X7371B301  
**Manufacturer:** TDK  
**Package:** Tray  
**Availability:** Please confirm with sales

**Product Page:**

<https://antrexco.com/product/details/tdk/b88069x7371b301.html>

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New & Original Components

Supplier verification and packaging condition review

CoC / RoHS / REACH documents available on request

Secure sourcing support for OEM / EMS projects

**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>D20-A800XPD</b>     |
| <b>Ordering code:</b> | <b>B88069X7371B301</b> |
| <b>Date:</b>          | <b>2026-06-02</b>      |
| <b>Version:</b>       | <b>11</b>              |

## Surge arrester

B88069X7371B301

## 2-electrode arrester

D20-A800XPD

### Features

- Stable performance over life
- High insulation resistance
- RoHS-compatible

### Applications

- AC power line devices – class I and class II

### Electrical specifications

|                                                               |                  |                   |                                                                                       |
|---------------------------------------------------------------|------------------|-------------------|---------------------------------------------------------------------------------------|
| DC spark-over voltage <sup>1) 2)</sup>                        |                  | > 600             | V                                                                                     |
| Front of wave spark-over voltage<br>- at 1.2/50 $\mu$ s, 6 kV |                  | < 1500            | V                                                                                     |
| Breakdown time<br>- typical values                            |                  | < 100<br>< 40     | ns<br>ns                                                                              |
| Insulation resistance at 100 V <sub>DC</sub>                  |                  | > 1               | G $\Omega$                                                                            |
| Class I <sup>3)</sup>                                         |                  |                   |                                                                                       |
| Max. continuous operating voltage at 50/60 Hz                 | U <sub>c</sub>   | 255               | V                                                                                     |
| Nominal discharge current 8/20 $\mu$ s                        | I <sub>n</sub>   | 30                | kA                                                                                    |
| Impulse discharge current 10/350 $\mu$ s                      | I <sub>imp</sub> | 25                | kA                                                                                    |
| Class II <sup>3)</sup>                                        |                  |                   |                                                                                       |
| Max. continuous operating voltage at 50/60 Hz                 | U <sub>c</sub>   | 255               | V                                                                                     |
| Nominal discharge current 8/20 $\mu$ s                        | I <sub>n</sub>   | 30                | kA                                                                                    |
| Maximum discharge current 8/20 $\mu$ s                        | I <sub>max</sub> | 40                | kA                                                                                    |
| Weight                                                        |                  | ~ 10              | g                                                                                     |
| Operation and storage temperature                             |                  | -40 ... +125      | °C                                                                                    |
| Climatic category (IEC 60068-1)                               |                  | 40/125/21         |                                                                                       |
| Marking                                                       |                  | without           |                                                                                       |
| Certifications                                                |                  | UL 1449 (E319264) |  |

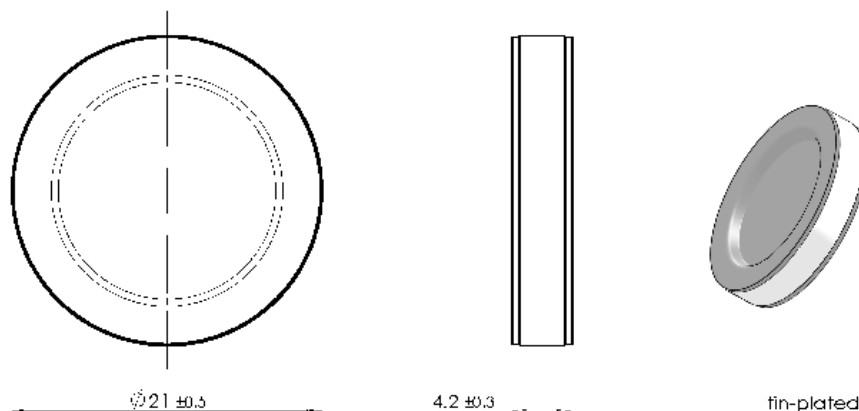
<sup>1)</sup> At delivery AQL 0.65 level II, DIN ISO 2859

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

<sup>3)</sup> Test sequence in accordance with IEC 61643-11.

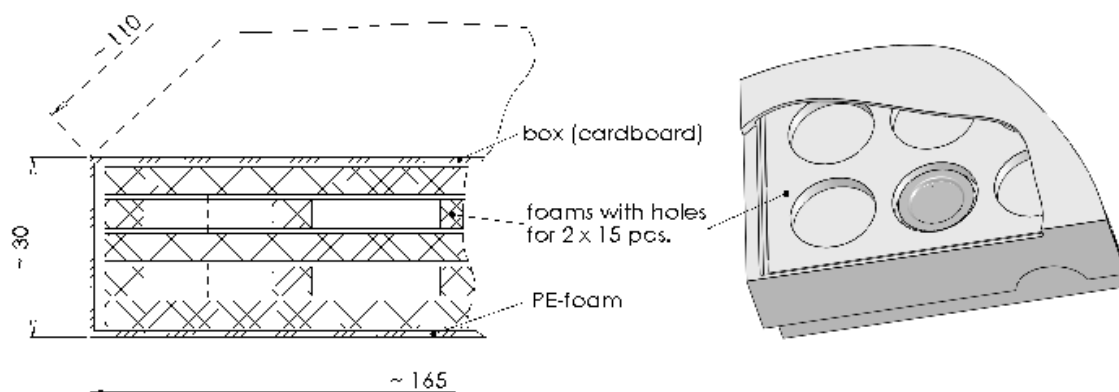
Follow current has to be avoided by an appropriate external circuit (e.g. varistor in series).

### Dimensional drawing in mm



### Ordering code and packing advice

**B88069X7371B301** = 30 pcs. in foam trays



### 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.
- Do not continue to use damaged surge arresters.

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## Important notes

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