

# ANTREX Electronics

## Electronic Components Sourcing Information

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### Product Reference Information

**Part Number:** B88069X7533B401  
**Manufacturer:** TDK  
**Package:** Tray  
**Availability:** Please confirm with sales

**Product Page:**

<https://antrexco.com/product/details/tdk/b88069x7533b401.html>

**Request a Quote:**

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New & Original Components

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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>D3E13M-A800P1</b>   |
| <b>Ordering code:</b> | <b>B88069X7533B401</b> |
| Date:                 | 2026-04-01             |
| Version:              | 02                     |

## Surge arrester

B88069X7533B401

## 2-electrode arrester

D3E13M-A800P1

### Features

- Suitable for direct strikes
- Very fast response time
- Stable performance over life
- High insulation resistance
- RoHS-compatible

### Applications

- AC power line N-PE application
- Class I – surge protection

### Electrical specifications

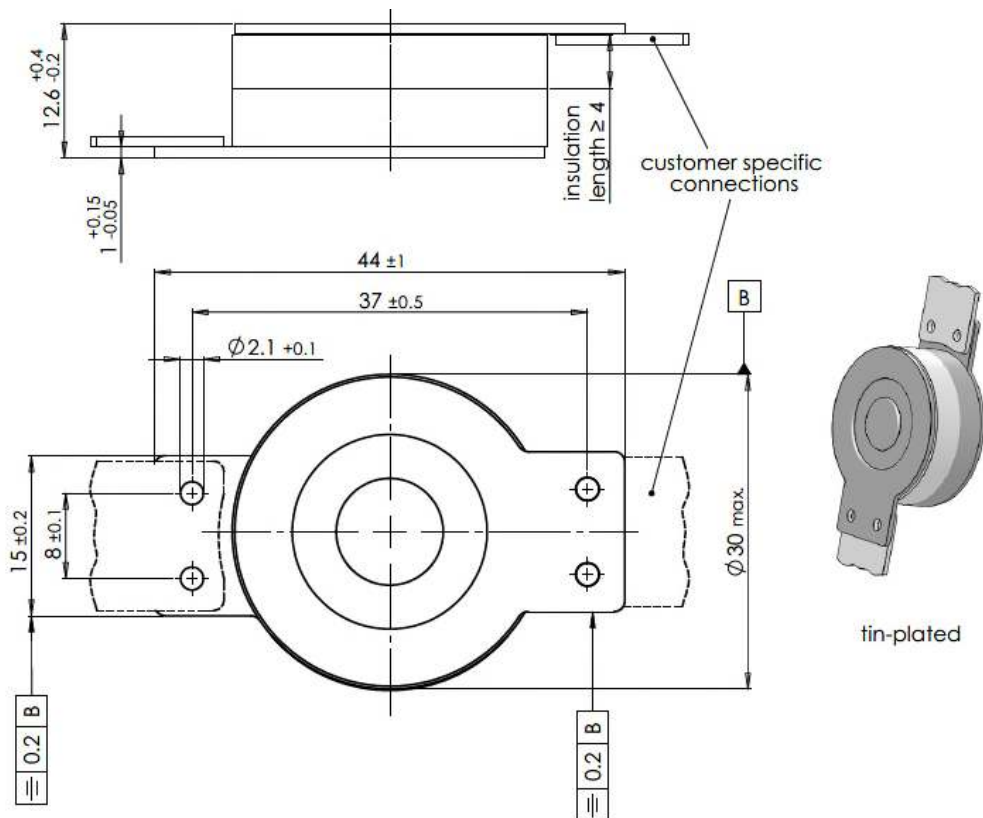
|                                                                       |                                                                       |    |
|-----------------------------------------------------------------------|-----------------------------------------------------------------------|----|
| DC spark-over voltage <sup>1) 2)</sup><br>Tolerance<br>Min.<br>Max.   | 600                                                                   | V  |
|                                                                       | –20 ... +30                                                           | %  |
|                                                                       | 480                                                                   | V  |
|                                                                       | 780                                                                   | V  |
| Front of wave spark-over voltage<br>- at 1.2/50 µs, 6 kV              | < 1500                                                                | V  |
| Breakdown time<br>- typical values                                    | < 100                                                                 | ns |
|                                                                       | < 20                                                                  | ns |
| Insulation resistance at 100 V <sub>DC</sub>                          | > 1                                                                   | GΩ |
| Class I according to IEC 61643-11                                     |                                                                       |    |
| Max. continuous operating voltage at 50/60 Hz                         | U <sub>c</sub> 264                                                    | V  |
| Nominal discharge current 8/20 µs                                     | I <sub>n</sub> 100                                                    | kA |
| Impulse current 10/350 µs                                             | I <sub>imp</sub> 100                                                  | kA |
| Follow current at 50/60 Hz                                            | I <sub>f</sub> 100                                                    | A  |
| AC discharge current (TOV <sup>3)</sup> )<br>1 operation 50 Hz, 0.2 s | 300                                                                   | A  |
| Weight                                                                | ~ 50                                                                  | g  |
| Operation and storage temperature                                     | –40 ... +125                                                          | °C |
| Climatic category (IEC 60068-1)                                       | 40/125/21                                                             |    |
| Marking, blue positive                                                | <b>TDK 800 YY</b><br>800 - Nominal voltage<br>YY - Year of production |    |

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

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

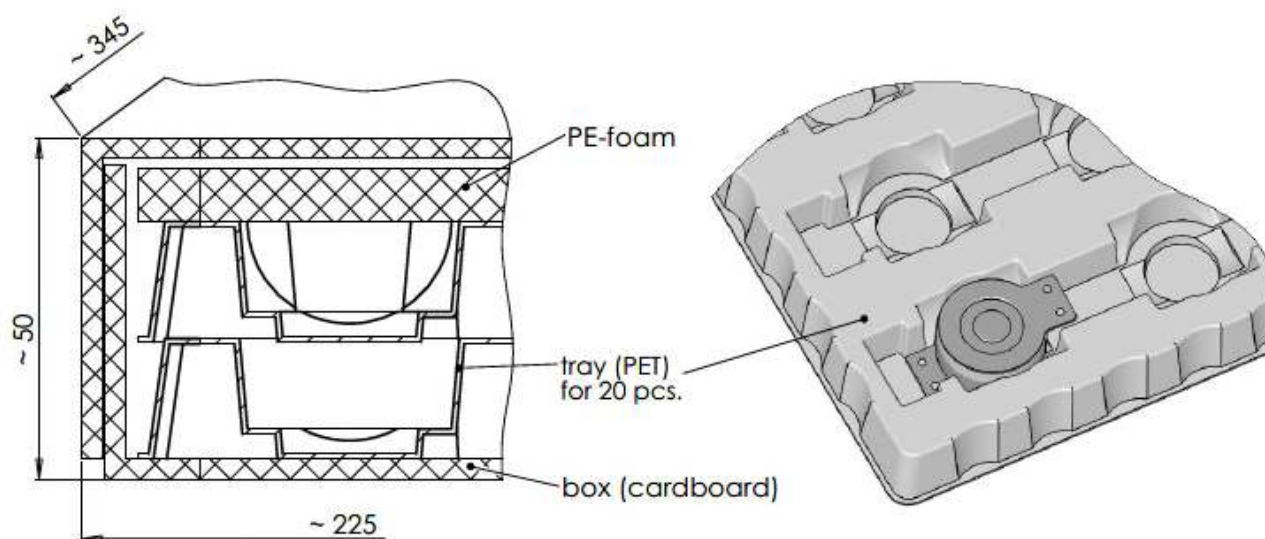
<sup>3)</sup> TOV – Temporary over voltage

### Dimensional drawing in mm



### Ordering code and packing advice

B88069X7533**B401** = 40 pcs. in trays



### Cautions and warnings

- The follow current must be limited (see values on page 2) so that the arrester can be properly extinguished when the surge has decayed. The arrester might otherwise heat up and ignite adjacent components.
- 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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