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## Surge protection device - TT-SLKK5/110AC - 2794987

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Modular terminal block with varistor as surge voltage protection between clamping connector and DIN rail, separate ground connection, nominal voltage: 110 V AC, mounting on NS 35/7.5, terminal width: 6.2 mm, terminal height: 69 mm

The illustration shows version TT-SLKK5/ 12 DC



### Key commercial data

|                        |   |
|------------------------|---|
| Packing unit           | 1   |
| Minimum order quantity | 50  |
| Catalog page           | Page 69 (TT-2005)   |
| GTIN                   | <br>4 017918 073053 |
| Custom tariff number   | 85363030  |
| Country of origin      | GERMANY   |

### Technical data

#### General

|   |  |
|---|--|
| Housing material                        | PA   |
| Inflammability class according to UL 94 | V2   |
| Color                                   | black  |
| Total surge current (8/20) $\mu$ s      | 6.5 kA   |
| Ambient temperature (operation)         | -40 °C ... 85 °C                                     |
| Mounting type                           | DIN rail: 35 mm                                      |
| Design                                  | Single-level terminal block – separate PE connection |
| Number of positions                     | 1  |
| Degree of protection                    | IP20   |
| Direction of action                     | Line-Earth Ground                                    |
| Width                                   | 6.2 mm   |
| Height                                  | 69.5 mm  |
| Length                                  | 66.5 mm  |

#### Protective circuit

|              |    |
|--------------|----|
| IEC category | C1 |
|--------------|----|

# Surge protection device - TT-SLKK5/110AC - 2794987

## Technical data

### Protective circuit

|  |              |
|--|--------------|
| IEC category   | C2           |
| IEC category   | C3           |
| VDE requirement class  | C1           |
| VDE requirement class  | C2           |
| VDE requirement class  | C3           |
| Nominal voltage UN   | 110 V AC     |
| Maximum continuous voltage UC (wire-ground)                                  | 130 V AC     |
| Nominal current IN   | 32 A (50°C)  |
| Ground conductor current IPE   | ≤ 100 µA     |
| Nominal discharge surge current In (8/20) µs (Core-Earth)                    | 2 kA         |
| Total surge current (8/20) µs  | 6.5 kA       |
| Max. discharge surge current I <sub>max</sub> (8/20) µs maximum (Core-Earth) | 6.5 kA       |
| Nominal pulse current I <sub>an</sub> (10/1000) µs (Core-Earth)              | 75 A         |
| Output voltage limitation at 1 kV/µs (Core-Earth) spike                      | ≤ 310 V      |
| Output voltage limitation at 1 kV/µs (Core-Earth) static                     | ≤ 310 V      |
| Residual voltage at In, (conductor-ground)                                   | ≤ 500 V      |
| Response time tA (Core-Earth)  | ≤ 25 ns      |
| Cut-off frequency f <sub>g</sub> (3 dB), asym. (PE) in 150 Ohm system        | Typ. 1.5 MHz |

### Connection data

|  |                       |
|--|-----------------------|
| Connection method                      | Screw connection      |
| Connection type IN                     | Screw terminal blocks |
| Connection type OUT                    | Screw terminal blocks |
| Screw thread                           | M3                    |
| Tightening torque                      | 0.5 Nm                |
| Stripping length                       | 8 mm                  |
| Conductor cross section stranded min.  | 0.2 mm <sup>2</sup>   |
| Conductor cross section stranded max.  | 4 mm <sup>2</sup>     |
| Conductor cross section solid min.     | 0.2 mm <sup>2</sup>   |
| Conductor cross section solid max.     | 4 mm <sup>2</sup>     |
| Conductor cross section AWG/kcmil min. | 24                    |
| Conductor cross section AWG/kcmil max  | 12                    |

### Connection, protective circuit

|                       |              |
|-----------------------|--------------|
| Standards/regulations | IEC 61643-21 |
|-----------------------|--------------|

## Classifications

### eclass

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27140201 |
| eCl@ss 4.1 | 27130801 |
| eCl@ss 5.0 | 27130801 |
| eCl@ss 5.1 | 27130801 |

# Surge protection device - TT-SLKK5/110AC - 2794987

## Classifications

### eclass

|            |          |
|------------|----------|
| eCl@ss 6.0 | 27130807 |
| eCl@ss 7.0 | 27130807 |

### etim

|          |          |
|----------|----------|
| ETIM 2.0 | EC000943 |
| ETIM 3.0 | EC000943 |
| ETIM 4.0 | EC000943 |

### unspsc

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30212010 |
| UNSPSC 7.0901 | 39121610 |
| UNSPSC 11     | 39121610 |
| UNSPSC 12.01  | 39121610 |
| UNSPSC 13.2   | 39121620 |

## Approvals

### Approvals


#### Approvals


CSA / UL Recognized / cUL Recognized / GOST / GOST / cULus Recognized

#### Ex Approvals

#### Approvals submitted

### Approval details

|   |       |
|---|-------|
| CSA  |       |
| mm <sup>2</sup> /AWG/kcmil  | 28-12 |
| Nominal current I <sub>N</sub>  | 34 A  |
| Nominal voltage U <sub>N</sub>  | 110 V |

|   |       |
|---|-------|
| UL Recognized  |       |
| mm <sup>2</sup> /AWG/kcmil  | 26-10 |



# Surge protection device - TT-SLKK5/110AC - 2794987

## Approvals

|                                |       |
|--------------------------------|-------|
| Nominal current I <sub>N</sub> | 30 A  |
| Nominal voltage U <sub>N</sub> | 110 V |

cUL Recognized

|                                |       |
|--------------------------------|-------|
| mm <sup>2</sup> /AWG/kcmil     | 26-12 |
| Nominal current I <sub>N</sub> | 30 A  |
| Nominal voltage U <sub>N</sub> | 110 V |

GOST

GOST

cULus Recognized

## Accessories

### Accessories

#### Assembly

Spacer plate - DP-UKK 3/5 BK - 2770833



Spacer plate, Length: 56 mm, Width: 2.5 mm, Height: 25 mm, Color: black

End cover - D-UKK 3/5 BK - 2770228



End cover, Length: 56 mm, Width: 2.5 mm, Height: 66.5 mm, Color: black

## Marking

## Surge protection device - TT-SLKK5/110AC - 2794987

### Accessories

Marker pen - B-STIFT - 1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

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Zack Marker strip, flat - ZBF 6:UNBEDRUCKT - 0808710



Zack Marker strip, flat, Strip, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into flat marker groove, For terminal block width: 6.2 mm, Lettering field: 5.15 x 6.15 mm

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Zack Marker strip, flat - ZBF 6/WH-100:UNBEDRUCKT - 0808736



Zack Marker strip, flat, Strip, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into flat marker groove, For terminal block width: 6.2 mm, Lettering field: 5.15 x 6.15 mm

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Zack Marker strip, flat - ZBF 6,LGS:FORTL.ZAHLEN - 0808749



Zack Marker strip, flat, Strip, white, Labeled, Printed horizontally: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - 100, Mounting type: Snap into flat marker groove, For terminal block width: 6.2 mm, Lettering field: 5.15 x 6.15 mm

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Zack marker strip - ZB 6:UNBEDRUCKT - 1051003



Zack marker strip, Strip, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into tall marker groove, For terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

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Zack marker strip - ZB 6,LGS:L1-N,PE - 1051414



Zack marker strip, Strip, white, Labeled, Can be labeled with: Plotter, Horizontal: L1, L2, L3, N, PE, L1, L2, L3, N, PE, Mounting type: Snap into tall marker groove, For terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

## Surge protection device - TT-SLKK5/110AC - 2794987

### Accessories

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Zack marker strip - ZB 6,LGS:U-N - 1051430



Zack marker strip, Strip, white, Labeled, Can be labeled with: Plotter, Printed horizontally: U, V, W, N, GND, U, V, W, N, GND, Mounting type: Snap into tall marker groove, For terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

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Zack marker strip - ZB 6,LGS:FORTL.ZAHLEN - 1051016



Zack marker strip, Strip, white, Labeled, Can be labeled with: Plotter, Printed horizontally: Consecutive numbers 1 - 10, 11 - 20, etc. up to 491 - 500, Mounting type: Snap into tall marker groove, For terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

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### Additional products

End cover - D-UKK 3/5 BK - 2770228



End cover, Length: 56 mm, Width: 2.5 mm, Height: 66.5 mm, Color: black

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Spacer plate - DP-UKK 3/5 BK - 2770833



Spacer plate, Length: 56 mm, Width: 2.5 mm, Height: 25 mm, Color: black

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Shield connection - SSA 3-6 - 2839295



shield fast connections for conductor diameter 3 - 6 mm. Potential connection cable: 200 mm, black

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## Surge protection device - TT-SLKK5/110AC - 2794987

### Accessories

Shield connection - SSA 5-10 - 2839512

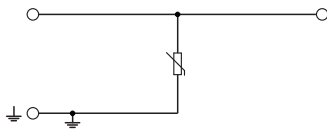


Shield fast connection for conductor diameters 5 - 10 mm. Potential connection cable: 200 mm, black

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### Drawings

Circuit diagram



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