

# TT-SLKK5/110AC

Order No.: 2794987

The illustration shows version TT-SLKK5/ 12 DC



<http://catalog.phoenixcontact.net/phoenix/treeViewClick.do?UID=2794987>

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

## Commercial data

|                          |                                                                                                        |
|--------------------------|--------------------------------------------------------------------------------------------------------|
| EAN                      | <br>4 017918 073053 |
| sales group              | J303                                                                                                   |
| Pack                     | 50 Pcs.                                                                                                |
| Customs tariff           | 85363030                                                                                               |
| Gross weight in pieces   | 0.02171 KG                                                                                             |
| Net weight per piece     | 0.00022 KG                                                                                             |
| Catalog page information | Page 69 (TT-2005)                                                                                      |

## Product notes

WEEE/RoHS-compliant since:  
01/31/2006



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## Technical data

### Dimensions

|        |         |
|--------|---------|
| Height | 69.5 mm |
| Width  | 6.2 mm  |
| Length | 66.5 mm |

#### Ambient conditions

|                                 |                  |
|---------------------------------|------------------|
| Ambient temperature (operation) | -40 °C ... 85 °C |
| Degree of protection            | IP20             |

#### General

|                                         |                                                      |
|-----------------------------------------|------------------------------------------------------|
| Housing material                        | PA                                                   |
| Inflammability class according to UL 94 | V2                                                   |
| Color                                   | black                                                |
| Mounting type                           | DIN rail: 35 mm                                      |
| Type                                    | Single-level terminal block – separate PE connection |
| Number of positions                     | 1                                                    |
| Direction of action                     | Line-Earth Ground                                    |

#### Protective circuit

|                                                                      |                  |
|----------------------------------------------------------------------|------------------|
| IEC test classification                                              | C1               |
|                                                                      | C2               |
|                                                                      | C3               |
| VDE requirement class                                                | C1               |
|                                                                      | C2               |
|                                                                      | C3               |
| Nominal voltage $U_N$                                                | 110 V AC         |
| Maximum continuous voltage $U_C$ (wire-ground)                       | 130 V AC         |
| Nominal current $I_N$                                                | 32 A (50 °C)     |
| Residual current $I_{PE}$                                            | $\leq 100 \mu A$ |
| Nominal discharge current $I_n$ (8/20) $\mu s$ (Core-Earth)          | 2 kA             |
| Total surge current (8/20) $\mu s$                                   | 6.5 kA           |
| Max. discharge current $I_{max}$ (8/20) $\mu s$ maximum (Core-Earth) | 6.5 kA           |
| Nominal pulse current $I_{an}$ (10/1000) $\mu s$ (Core-Earth)        | 75 A             |
| Output voltage limitation at 1 kV/ $\mu s$ (Core-Earth) spike        | $\leq 310 V$     |
| Output voltage limitation at 1 kV/ $\mu s$ (Core-Earth) static       | $\leq 310 V$     |
| Residual voltage at $I_n$ , (conductor-ground)                       | $\leq 500 V$     |
| Response time $t_A$ (Core-Earth)                                     | $\leq 25 ns$     |
| Cut-off frequency $f_g$ (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                    |

#### Standards and Regulations

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

#### Certificates / Approvals



Certification

CSA, cULus Recognized

Certifications applied for:

Certification Ex:

#### Accessories

| Item            | Designation   | Description                                                                                              |
|-----------------|---------------|----------------------------------------------------------------------------------------------------------|
| <b>Assembly</b> |               |                                                                                                          |
| 2770228         | D-UKK 3/5 BK  | End cover, Length: 56 mm, Width: 2.5 mm, Height: 66.5 mm, Color: black                                   |
| <b>Covers</b>   |               |                                                                                                          |
| 2770833         | DP-UKK 3/5 BK | Spacer plate, to compensate for level offsets, Length: 56 mm, Width: 2.5 mm, Height: 25 mm, Color: black |

#### Marking

|         |                         |                                                                                                                                                                                                                                                                         |
|---------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1051993 | B-STIFT                 | Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm                                                                                                                                                             |
| 1051016 | ZB 6,LGS:FORTL.ZAHLEN   | 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 |
| 1051414 | ZB 6,LGS:L1-N,PE        | Marker for terminal blocks, 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                       |
| 1051430 | ZB 6,LGS:U-N            | Marker for terminal blocks, 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                 |
| 1051003 | ZB 6:UNBEDRUCKT         | 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                                                                                |
| 0808749 | ZBF 6,LGS:FORTL.ZAHLEN  | 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                          |
| 0808736 | ZBF 6/WH-100:UNBEDRUCKT | 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                                                                          |
| 0808710 | ZBF 6:UNBEDRUCKT        | 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                                                                          |

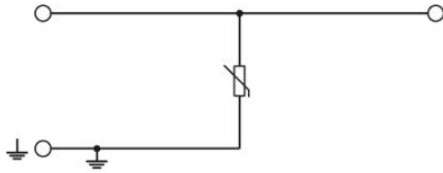
#### Additional products

| Item            | Designation   | Description                                                                                              |
|-----------------|---------------|----------------------------------------------------------------------------------------------------------|
| <b>Assembly</b> |               |                                                                                                          |
| 2770228         | D-UKK 3/5 BK  | End cover, Length: 56 mm, Width: 2.5 mm, Height: 66.5 mm, Color: black                                   |
| 2839295         | SSA 3-6       | shield fast connections for conductor diameter 3 - 6 mm. Potential connection cable: 200 mm, black       |
| 2839512         | SSA 5-10      | Shield fast connection for conductor diameters 5 - 10 mm. Potential connection cable: 200 mm, black      |
| <b>Covers</b>   |               |                                                                                                          |
| 2770833         | DP-UKK 3/5 BK | Spacer plate, to compensate for level offsets, Length: 56 mm, Width: 2.5 mm, Height: 25 mm, Color: black |

## Drawings

### Circuit diagram

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**Address**

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