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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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# TT-URTK/S- 24DC


Order No.: 2788278



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2788278>

Disconnect terminal block with surge voltage fine protection, nominal voltage: 24 V DC, for mounting on NS 32 or NS 35/7.5, closed housing, terminal width: 8.2 mm, terminal height: 51.5 mm

## Commercial data

|                          |  |
|--------------------------|--|
| GTIN (EAN)               | <br>4 017918 071479 |
| sales group              | J303   |
| Pack                     | 50 pcs.  |
| Customs tariff           | 85363010   |
| Catalog page information | Page 87 (TT-2007)  |

## Product notes

WEEE/RoHS-compliant since:  
03/13/2007



<http://www.download.phoenixcontact.com>  
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

## Technical data

### General

|                                    |       |
|------------------------------------|-------|
| Housing material                   | PA    |
| Inflammability class acc. to UL 94 | V2    |
| Color                              | black |

|                                    |   |
|------------------------------------|---|
| Total surge current (8/20) $\mu$ s | 169 A   |
| Ambient temperature (operation)    | -40 °C ... 85 °C                                  |
| Mounting type                      | DIN rail/G-profile rail                           |
| Design                             | Single-level terminal block with disconnect slide |
| Number of positions                | 1   |
| Degree of protection               | IP20  |
| Direction of action                | Line-Earth Ground                                 |
| Width                              | 8.20 mm   |
| Height                             | 51.50 mm  |
| Length                             | 72.00 mm  |

#### Protective circuit

|  |                |
|--|----------------|
| IEC category   | C3             |
| VDE requirement class  | C3             |
| Nominal voltage $U_N$  | 24 V DC        |
| Maximum continuous operating voltage $U_C$                                 | 28 V DC        |
|  | 20 V AC        |
| Maximum continuous voltage $U_C$ (wire-ground)                             | 28 V DC        |
|  | 20 V AC        |
| Nominal current $I_N$  | 57 A (45°C)    |
| Ground conductor current $I_{PE}$  | $\leq 5 \mu$ A |
| Nominal discharge surge current $I_n$ (8/20) $\mu$ s (Core-Earth)          | 169 A          |
| Total surge current (8/20) $\mu$ s   | 169 A          |
| Max. discharge surge current $I_{max}$ (8/20) $\mu$ s maximum (Core-Earth) | 169 A          |
| Nominal pulse current $I_{an}$ (10/1000) $\mu$ s (Core-Earth)              | 33 A           |
| Output voltage limitation at 1 kV/ $\mu$ s (Core-Earth) static             | $\leq 40$ V    |
| Residual voltage at $I_n$ , (conductor-ground)                             | $\leq 55$ V    |
| Response time $t_A$ (Core-Earth)   | $\leq 1$ ns    |
| Cut-off frequency $f_g$ (3 dB), asym. (PE) in 150 Ohm system               | Typ. 1.2 MHz   |
| Capacity (Core-Earth)  | $\leq 1.35$ nF |
| Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth)             | C3 (25 A)      |

#### Connection data

|  |                       |
|--|-----------------------|
| Type of connection                     | Screw connection      |
| Connection type IN                     | Screw terminal blocks |
| Connection type OUT                    | Screw terminal blocks |
| Screw thread                           | M3                    |
| Tightening torque                      | 0.5 Nm                |
| Stripping length                       | 13 mm                 |
| Conductor cross section stranded min.  | 0.5 mm <sup>2</sup>   |
| Conductor cross section stranded max.  | 6 mm <sup>2</sup>     |
| Conductor cross section solid min.     | 0.5 mm <sup>2</sup>   |
| Conductor cross section solid max.     | 10 mm <sup>2</sup>    |
| Conductor cross section AWG/kcmil min. | 20                    |
| Conductor cross section AWG/kcmil max  | 8                     |

#### Connection, protective circuit

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

#### Certificates / Approvals



Certification GOST

#### Accessories

| Item | Designation | Description |
|------|-------------|-------------|
|------|-------------|-------------|

#### Assembly

|         |           |  |
|---------|-----------|--|
| 0310143 | D-URTK BK | End cover, Length: 72 mm, Width: 2.2 mm, Height: 51.5 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, 10-section, printed horizontally: with the numbers 1 - 10, 11 - 20 and so on up to 491 - 500, color: white |
| 1051414 | ZB 6,LGS:L1-N,PE      | Zack strip, printed horizontally, strips with 10 labels, L1, L2, L3, N, PE, L1, L2, L3, N, PE, color: white                   |



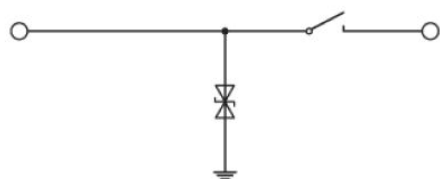
|         |                         |   |
|---------|-------------------------|---|
| 1051430 | ZB 6,LGS:U-N            | Zack strip, printed horizontally: 10-section, U, V, W, N, GND, U, V, W, N, GND, color: white  |
| 1050499 | ZB 6:SO/CMS             | Zack strip, 10-section, divisible, special printing, marking according to customer requirements   |
| 1051003 | ZB 6:UNBEDRUCKT         | Zack strip, unprinted, strips with 10 labels for individual labeling with M-PEN or CMS system, for terminal block width: 6.2 mm, color: white                 |
| 0808749 | ZBF 6,LGS:FORTL.ZAHLEN  | Zack marker strip, flat, printed horizontally: 10-section, with the numbers 1 - 10, 11 - 20, and so on up to 91 - 100, color: white                           |
| 0808736 | ZBF 6/WH-100:UNBEDRUCKT | Zack strip, flat, unprinted: 10-section, for individual labeling with M-PEN or ZBF-T, large batch, sufficient for labeling 1000 terminal blocks, color: white |
| 0808710 | ZBF 6:UNBEDRUCKT        | Zack strip, flat, unprinted: 10-section, for individual labeling with M-PEN or ZBF-T, sufficient for 100 terminal blocks, color: white                        |

#### Additional products

| Item            | Designation | Description   |
|-----------------|-------------|---|
| <b>Assembly</b> |             |   |
| 0310143         | D-URTK BK   | End cover, Length: 72 mm, Width: 2.2 mm, Height: 51.5 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 |

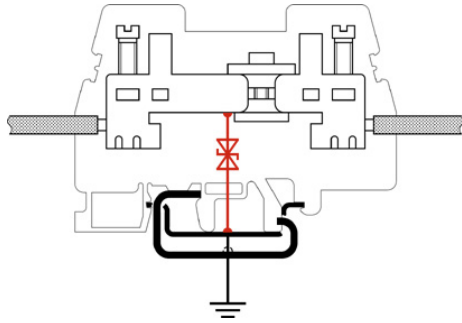
#### Diagrams/Drawings

Circuit diagram



Schematic diagram

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