

# MTKD-NICR/NI

Order No.: 3100062

The illustration shows version MTKD-CU/CUNI



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=3100062>

Thermoelectric voltage terminal block, cross section: 0.2 - 2.5 mm<sup>2</sup>, width: 10.4 mm, color: gray

| Commercial data          |                    |
|--------------------------|--------------------|
| EAN                      | 4017918092474      |
| Pack                     | 50 pcs.            |
| Customs tariff           | 85369010           |
| Weight/Piece             | 0.01635 KG         |
| Catalog page information | Page 394 (CL-2009) |

### Product notes

WEEE/RoHS-compliant since: 01/01/2003



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## Technical data

### General

|                                    |      |
|------------------------------------|------|
| Number of levels                   | 1    |
| Number of connections              | 2    |
| Color                              | gray |
| Insulating material                | PA   |
| Inflammability class acc. to UL 94 | V0   |

### Dimensions

|                  |         |
|------------------|---------|
| Length           | 46 mm   |
| Width            | 10.4 mm |
| Height NS 35/7,5 | 40 mm   |
| Height NS 35/15  | 47.5 mm |
| Height NS 32     | 45 mm   |

### Technical data

|                                  |   |
|----------------------------------|---|
| Connection in acc. with standard | IEC 60947-7-1   |
| Nominal voltage $U_N$            | 400 V (Voltage to the neighboring feed-through terminal block MTK.) |

### Connection data

|  |                     |
|--|---------------------|
| Conductor cross section solid min.     | 0.2 mm <sup>2</sup> |
| Conductor cross section solid max.     | 4 mm <sup>2</sup>   |
| Conductor cross section stranded min.  | 0.2 mm <sup>2</sup> |
| Conductor cross section stranded max.  | 2.5 mm <sup>2</sup> |
| Conductor cross section AWG/kcmil min. | 24                  |
| Conductor cross section AWG/kcmil max  | 12                  |
| Type of connection                     | Screw connection    |
| Stripping length                       | 7 mm                |
| Internal cylindrical gage              | A3                  |
| Screw thread                           | M3                  |
| Tightening torque, min                 | 0.6 Nm              |
| Tightening torque max                  | 0.8 Nm              |

### Certificates / Approvals



Certification CUL, GOST, UL

#### CUL

|                       |       |
|-----------------------|-------|
| Nominal voltage $U_N$ | 300 V |
| Nominal current $I_N$ | 10 A  |
| AWG/kcmil             | 28-12 |

**UL**

|                       |       |
|-----------------------|-------|
| Nominal voltage $U_N$ | 300 V |
| Nominal current $I_N$ | 10 A  |
| AWG/kcmil             | 28-12 |

**Accessories**

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

**Assembly**

|         |                               |  |
|---------|-------------------------------|--|
| 3101223 | ATS-MTK                       | Partition plate, Width: 1 mm, Color: gray  |
| 3022218 | CLIPFIX 35                    | Snap-on end bracket, for 35 mm NS 35/7.5 or NS 35/15 DIN rail, can be fitted with Zack strip ZB 8 and ZB 8/27, terminal strip marker KLM 2 and KLM, width: 9.5 mm, color: gray |
| 3101029 | D-MTK                         | End cover, Length: 46 mm, Width: 1 mm, Height: 28.7 mm, Color: gray  |
| 1201442 | E/UK                          | End clamp, for assembly on NS 32 or NS 35/7,5 DIN rail   |
| 1201028 | NS 32 AL UNPERF 2000MM        | G rail 32 mm (NS 32)   |
| 1201280 | NS 32 CU/120QMM UNPERF 2000MM | G-profile DIN rail, deep-drawn, material: Copper, unperforated, height 15 mm, width 32 mm, length 2 m  |
| 1201358 | NS 32 CU/35QMM UNPERF 2000MM  | G-profile DIN rail, material: Copper, unperforated, height 15 mm, width 32 mm, length 2 m  |
| 1201002 | NS 32 PERF 2000MM             | G-profile DIN rail, material: Steel, perforated, height 15 mm, width 32 mm, length 2 m   |
| 1201015 | NS 32 UNPERF 2000MM           | G-profile DIN rail, material: Steel, unperforated, height 15 mm, width 32 mm, length 2 m   |
| 0801762 | NS 35/ 7,5 CU UNPERF 2000MM   | DIN rail, material: Copper, unperforated, height 7.5 mm, width 35 mm, length: 2 m  |
| 0801733 | NS 35/ 7,5 PERF 2000MM        | DIN rail, material: Steel, galvanized and passivated with a thick layer, perforated, height 7.5 mm, width 35 mm, length: 2 m   |
| 0801681 | NS 35/ 7,5 UNPERF 2000MM      | DIN rail, material: Steel, unperforated, height 7.5 mm, width 35 mm, length: 2 m   |
| 1201756 | NS 35/15 AL UNPERF 2000MM     | DIN rail, deep-drawn, high profile, unperforated, 1.5 mm thick, material: Aluminum, height 15 mm, width 35 mm, length 2 m  |
| 1201895 | NS 35/15 CU UNPERF 2000MM     | DIN rail, material: Copper, unperforated, 1.5 mm thick, height 15 mm, width 35 mm, length: 2 m   |
| 1201730 | NS 35/15 PERF 2000MM          | DIN rail, material: Steel, perforated, height 15 mm, width 35 mm, length: 2 m  |
| 1201714 | NS 35/15 UNPERF 2000MM        | DIN rail, material: Steel, unperforated, height 15 mm, width 35 mm, length: 2 m  |
| 1201798 | NS 35/15-2,3 UNPERF 2000MM    | DIN rail, material: Steel, unperforated, 2.3 mm thick, height 15 mm, width 35 mm, length: 2 m  |

**Marking**

|         |                  |   |
|---------|------------------|---|
| 1007248 | SBS10:UNBEDRUCKT | Marker cards, unprinted, for individual labeling with the M-PEN, 250-section, perforated, white plastic |
| 1050525 | ZB10:SO/CMS      | Zack strip, 10-section, divisible, special printing, marking according to customer requirements         |

**Tools**

|         |             |   |
|---------|-------------|---|
| 1205066 | SZS 1,0X4,0 | Screwdriver, bladed, matches all screw terminal blocks with 10 mm <sup>2</sup> and 16 mm <sup>2</sup> connection cross section, blade: 1.0 x 4.0 mm |
|---------|-------------|---|

**Address**

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