

## INDUSTRIAL COMPONENT DATA

# MTKD-CU/CUNI 3100059 PHOENIX CONTACT Thermoelectric voltage terminal block pair

Brand: PHOENIX CONTACT | Manufacturer Part Number: MTKD-CU/CUNI



|                 |                               |
|-----------------|-------------------------------|
| Manufacturer    | PHOENIX CONTACT               |
| MPN / Reference | MTKD-CU/CUNI                  |
| Catalog number  | 3100059                       |
| Category        | Thermal couple terminal block |
| Minimum order   | 50 Pcs                        |
| Document ID     | EO-5B3A277535                 |
| Generated       | 2026-09-22                    |

## Product Overview

Thermoelectric voltage terminal block pair

Terminal blocks for thermocouples, TC type T, nominal voltage: 400 V, nominal current: 1 A, number of connections: 4, number of poles: 2, connection type: Screw connection, 1st floor, cross-section: 0.2 mm<sup>2</sup> - 4 mm<sup>2</sup>, mounting class: NS 35/7.5, NS 35/15, NS 32, color: gray

## STRUCTURED PRODUCT DATA

## Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

## Classification & Catalog Path

|              |                               |
|--------------|-------------------------------|
| Catalog path | PHOENIX CONTACT > Modular TBs |
|--------------|-------------------------------|

## Additional Product Information

Key Commercial Data

Orderkey 3100059

Packing unit 50 pc

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GTIN 4017918092467

Weight per Piece (excluding packing) 16.400 g

Custom tariff number 85369010

Country of origin PL (Poland)

General

Number of positions 2

Number of levels 1

Number of connections 4

**Potentials 1**

Nominal cross section 2.5 mm<sup>2</sup>

Color gray

Insulating material PA

Flammability rating according to UL 94 V0

Maximum power dissipation for nominal condition 0.77 W

Maximum load current 1 A (with 4 mm<sup>2</sup> conductor cross section)

Nominal current I<sub>N</sub> 1 A

Nominal voltage UN 400 V (Voltage to the neighboring feed-through terminal block MTK.)

Open side panel Yes

Relative insulation material temperature index (Elec., UL 746 B) 130 °C

Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) 130 °C

Static insulating material application in cold -60 °C

Behavior in fire for rail vehicles (DIN 5510-2) Test passed

Flame test method (DIN EN 60695-11-10) V0

Oxygen index (DIN EN ISO 4589-2) >32 %

NF F16-101, NF F10-102 Class I 2

NF F16-101, NF F10-102 Class F 2

Surface flammability NFPA 130 (ASTM E 162) passed

Specific optical density of smoke NFPA 130 (ASTM E 662) passed

Smoke gas toxicity NFPA 130 (SMP 800C) passed

Calorimetric heat release NFPA 130 (ASTM E 1354) 28 MJ/kg

Fire protection for rail vehicles (DIN EN 45545-2) R22 HL 1 - HL 3

Fire protection for rail vehicles (DIN EN 45545-2) R23 HL 1 - HL 3

Fire protection for rail vehicles (DIN EN 45545-2) R24 HL 1 - HL 3

Fire protection....

**REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW**

Send PHOENIX CONTACT / MTKD-CU/CUNI with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

**GLOBAL OFFICES**

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

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