

Thermoelectric voltage terminal block pair - MTKD-S-CU/E-CU - 3100101

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Thermoelectric voltage terminal block pair, USA type B, Connection method: Screw connection, Number of positions: 1, Cross section: 0.2 mm² - 4 mm², AWG: 24 - 12, Width: 10.4 mm, Color: gray, Mounting type: NS 35/7,5, NS 35/15, NS 32

The illustration shows version MTKD-CU/CUNI

Product Features

- These special terminal blocks are used to extend thermocouple equalizing conductors in corresponding measuring circuits
- This ensures that no false thermoelectric voltages result at the junctions of the thermocouple/terminal block/equalizing conductor and that the basic values according to EN 60584/DIN EN 60584 are observed
- The equalizing conductors are made from materials which, up to temperatures of 200°C, have the same thermal characteristics as the corresponding thermocouples

Key Commercial Data

| | |
|--------------------------------------|---|
| Packing unit | 1 pc |
| GTIN |  4 017918 092511 |
| Weight per Piece (excluding packing) | 16.86 g |
| Custom tariff number | 85369010 |
| Country of origin | Poland |

Technical data

General

| | |
|--|--|
| Number of levels | 1 |
| Number of connections | 2 |
| Nominal cross section | 2.5 mm ² |
| Color | gray |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |
| Connection in acc. with standard | IEC 60947-7-1 |
| Maximum load current | 1 A (with 4 mm ² conductor cross section) |
| Nominal current I _N | 1 A |

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Technical data

General

| | |
|-----------------------|---|
| Nominal voltage U_N | 400 V (Voltage to the neighboring feed-through terminal block MTK.) |
| Open side panel | Yes |

Dimensions

| | |
|------------------|---------|
| Width | 10.4 mm |
| End cover width | 1 mm |
| Length | 46.2 mm |
| Height NS 35/7,5 | 39.9 mm |
| Height NS 35/15 | 47.4 mm |
| Height NS 32 | 44.9 mm |

Connection data

| | |
|--|---------------------|
| Connection method | Screw connection |
| Connection in acc. with standard | IEC 60947-7-1 |
| Conductor cross section solid min. | 0.2 mm ² |
| Conductor cross section solid max. | 4 mm ² |
| Conductor cross section AWG min. | 24 |
| Conductor cross section AWG max. | 12 |
| Conductor cross section flexible min. | 0.2 mm ² |
| Conductor cross section flexible max. | 2.5 mm ² |
| Min. AWG conductor cross section, flexible | 24 |
| Max. AWG conductor cross section, flexible | 14 |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.2 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 1.5 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.2 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 1.5 mm ² |
| Stripping length | 7 mm |
| Internal cylindrical gage | A3 |
| Screw thread | M3 |
| Tightening torque, min | 0.6 Nm |
| Tightening torque max | 0.8 Nm |

Standards and Regulations

| | |
|--|---------------|
| Connection in acc. with standard | CUL |
| | IEC 60947-7-1 |
| Flammability rating according to UL 94 | V0 |

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Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27141117 |
| eCl@ss 4.1 | 27141117 |
| eCl@ss 5.0 | 27141120 |
| eCl@ss 5.1 | 27141120 |
| eCl@ss 6.0 | 27141120 |
| eCl@ss 7.0 | 27141120 |
| eCl@ss 8.0 | 27141142 |

ETIM

| | |
|----------|----------|
| ETIM 2.0 | EC000902 |
| ETIM 3.0 | EC000902 |
| ETIM 4.0 | EC000902 |
| ETIM 5.0 | EC000904 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 30211811 |
| UNSPSC 7.0901 | 39121410 |
| UNSPSC 11 | 39121410 |
| UNSPSC 12.01 | 39121410 |
| UNSPSC 13.2 | 39121410 |

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized


Ex Approvals


Approvals submitted

Approval details

Thermoelectric voltage terminal block pair - MTKD-S-CU/E-CU - 3100101

Approvals

| | |
|---|-------|
| UL Recognized  | |
| mm ² /AWG/kcmil | 28-12 |
| Nominal current I _N | 10 A |
| Nominal voltage U _N | 300 V |

| | |
|--|-------|
| cUL Recognized  | |
| mm ² /AWG/kcmil | 28-12 |
| Nominal current I _N | 10 A |
| Nominal voltage U _N | 300 V |

EAC

| | |
|--|--|
| cULus Recognized  | |
|--|--|