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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.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Thermoelectric voltage terminal block pair - MTKD-NICR/NI EX - 3100063

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Thermoelectric voltage terminal block, cross section: 0.2 - 2.5 mm², width: 10.4 mm, color: gray

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 |
| Minimum order quantity | 50 pc |
| Weight per Piece (excluding packing) | 16.4 GRM |
| Custom tariff number | 85369010 |
| Country of origin | Poland |

Technical data

General

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

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Technical data

General

| | |
|----------------------------------|---|
| 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 |
| Nominal voltage U _N | 400 V (Voltage to the neighboring feed-through terminal block MTK.) |
| Maximum load current | 1 A (with 4 mm ² conductor cross section) |
| Open side panel | ja |

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 in acc. with standard | IEC 60947-7-1 |
| Connection method | Screw connection |
| 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, stranded | 24 |
| Max. AWG conductor cross section, stranded | 14 |
| Stripping length | 7 mm |
| Internal cylindrical gage | A3 |
| Screw thread | M3 |
| Tightening torque, min | 0.6 Nm |
| Tightening torque max | 0.8 Nm |

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27141117 |
| eCl@ss 4.1 | 27141117 |
| eCl@ss 5.0 | 27141120 |

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Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 5.1 | 27141120 |
| eCl@ss 6.0 | 27141120 |
| eCl@ss 7.0 | 27141120 |
| eCl@ss 8.0 | 27141120 |

ETIM

| | |
|----------|----------|
| ETIM 2.0 | EC000902 |
| ETIM 3.0 | EC000902 |
| ETIM 4.0 | EC000902 |
| ETIM 5.0 | EC000897 |

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

ATEX / EAC Ex

Approvals submitted

Approval details

Thermoelectric voltage terminal block pair - MTKD-NICR/NI EX - 3100063

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

Drawings

Circuit diagram

