Thermoelectric voltage terminal block pair - MTKD-NICR/NI - 3100062

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The illustration shows version MTKD-CU/CUNI

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

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 092474
Weight per Piece (excluding packing)	16.35 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
Connection in acc. with standard	IEC 60947-7-1

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Technical data

General

Maximum load current (lower level)	1 A
Additional text	with 4 mm² conductor cross section
Nominal current I_N (lower level)	1 A
Nominal voltage U_N	400 V (Voltage to the neighboring feed-through terminal block MTK.)
Additional text	Voltage to the neighboring feed-through terminal block MTK.
Open side panel	ja

Dimensions

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

Connection data

Connection in acc. with standard	IEC 60947-7-1
Connection method	Screw connection
Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	4 mm²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12
Conductor cross section stranded min.	0.2 mm²
Conductor cross section stranded max.	2.5 mm²
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	27141199
eCl@ss 4.1	27141199
eCl@ss 5.0	27141145
eCl@ss 5.1	27141145

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Classifications

eCl@ss

eCl@ss 6.0	27141133
eCl@ss 7.0	27141133
eCl@ss 8.0	27141126

ETIM

ETIM 2.0	EC000886
ETIM 3.0	EC000886
ETIM 4.0	EC000902
ETIM 5.0	EC000897

UNSPSC

UNSPSC 6.01	30211827
UNSPSC 7.0901	39121424
UNSPSC 11	39121424
UNSPSC 12.01	39121424
UNSPSC 13.2	39121424

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / GOST / GOST / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

UL Recognized

mm²/AWG/kcmil	28-12
Nominal current IN	10 A

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Approvals

Nominal voltage UN	300 V

cUL Recognized

mm²/AWG/kcmil	28-12
Nominal current IN	10 A
Nominal voltage UN	300 V

GOST

GOST

cULus Recognized

Drawings

Circuit diagram