

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

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://download.phoenixcontact.com>)



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

package_quantity	50
GTIN	4017918092511

Technical data

General

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

General

Connection in acc. with standard	IEC 60947-7-1
Nominal current I _N	1 A
Nominal voltage U _N	400 V (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

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

Technical data

Dimensions

Height NS 32	45 mm
--------------	-------

Connection data

Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	4 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
Min. AWG conductor cross section, stranded	24
Max. AWG conductor cross section, stranded	14
Connection method	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

classifications

eCl@ss

eCl@ss 4.0	27141199
eCl@ss 4.1	27141199
eCl@ss 5.0	27141145
eCl@ss 5.1	27141145
eCl@ss 6.0	27141133
eCl@ss 7.0	27141133
eCl@ss 8.0	27141133

ETIM

ETIM 2.0	EC000886
ETIM 3.0	EC000886
ETIM 4.0	EC000904
ETIM 5.0	EC000904

UNSPSC

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

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

approvals

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

Approval details

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

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

GOST 
--



cULus Recognized 
--

accessories

End cover

D-MTK - 3101029



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

accessories

Partition plate

ATS-MTK - 3101223



Terminal marking

SBS10:UNBEDRUCKT - 1007248



ZB 10:UNBEDRUCKT - 1053001



UC-TM 10 - 0818069



UCT-TM 10 - 0829142



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

accessories

Screwdriver tools

SZS 1,0X4,0 VDE - 1205066



Mounting rail

NS 32 PERF 2000MM - 1201002



NS 32 UNPERF 2000MM - 1201015



NS 35/ 7,5 PERF 2000MM - 0801733



NS 35/ 7,5 UNPERF 2000MM - 0801681



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

accessories

NS 35/ 7,5 WH PERF 2000MM - 1204119



NS 35/ 7,5 WH UNPERF 2000MM - 1204122



NS 35/ 7,5 AL UNPERF 2000MM - 0801704



NS 35/ 7,5 ZN PERF 2000MM - 1206421



NS 35/ 7,5 ZN UNPERF 2000MM - 1206434



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

accessories

NS 35/ 7,5 CU UNPERF 2000MM - 0801762



NS 35/ 7,5 CAP - 1206560



NS 35/15 PERF 2000MM - 1201730



NS 35/15 UNPERF 2000MM - 1201714



NS 35/15 WH PERF 2000MM - 0806602



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

accessories

NS 35/15 WH UNPERF 2000MM - 1204135



NS 35/15 AL UNPERF 2000MM - 1201756



NS 35/15 ZN PERF 2000MM - 1206599



NS 35/15 ZN UNPERF 2000MM - 1206586



NS 35/15 CU UNPERF 2000MM - 1201895



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

accessories

NS 35/15 CAP - 1206573



NS 35/15-2,3 UNPERF 2000MM - 1201798



Labeled terminal marker

ZB 10 CUS - 0824941



UC-TM 10 CUS - 0824605



UCT-TM 10 CUS - 0829623



End block

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

accessories

CLIPFIX 35 - 3022218



CLIPFIX 35-5 - 3022276



E/NS 35 N - 0800886



E/UK - 1201442



E/UK 1 - 1201413



Drawings