

**Thermoelectric voltage terminal**

The material- identical pair of terminals for free from thermal emf Connection of thermocouples and compensating cable.

In thermocouple measuring circuits thermocouples with Extended compensating cables, here is the area of application for this special terminal.

Compensating cables are made of materials that have up to 200 ° C the same thermoelectric voltage value as the thermocouple.

The transition metals of the thermoelectric voltage terminal consist of the same materials as the output lines according to DIN 43173 and DIN 43714. This ensures that at the connection points thermocouple terminal / compensation cable no erroneous thermoelectric voltage occur and the fundamental values according to DIN IEC 584 are met.

The thermocouple terminal pair is relevant for thermocouples clearly identifiable to the compensation materials used printed. The insulating housing is made of shatterproof polyamide 6.6 Colour: grey, with universal foot for optional mounting on all standard DIN EN mounting rails.

The terminals are generally supplied in pairs with front print.

Table to select the thermoelectric voltage terminal

Material Thermocouple	Material Compensation cable	Thermocouple-Pair of terminals (Typ)	Order No.	Pieces/ Pack	g / Piece
Copper/Constantan Cu/CuNi	Copper/Constantan Cu/CuNi	MTKD-CU/CUNI	9.00.10.01	50	16,4
Iron/Constantan Fe/CuNi	Iron/Constantan Fe/CuNi	MTKD-FE/CUNI	9.00.10.02	50	16,4
Nickelchrome/Constantan NiCr/CuNi	Nickelchrome/Constantan NiCr/CuNi	MTKD-NICR/CUNI	9.00.10.03	50	16,4
Nickelchrome/Nickel NiCr/Ni	Nickelchrome/Nickel NiCr/Ni	MTKD-NICR/ALUMEL	9.00.10.04	50	16,4
Platinrhodium/Platin PtRh/Pt	Copper/Coppernickel E-Cu/A-Cu	MTKD-E-CU/A-CU	9.00.10.05	50	16,4
Platinum 13 % Rhodium	Platinum Copper/Coppernickel E-Cu/A-Cu	MTKD-E-CU/A-CU	9.00.10.06	50	16,4
Platinum 30 % Rhodium	Platinum 6 % Rhodium S-Copper/Copper	MTKD-S-CU/E-CU	9.00.10.07	50	16,4
<b>Cover</b> Insulating material, Polyamide 6.6 1 mm thick		D-MTK	9.00.10.08	50	1,6
<b>Department partition</b> for optical and electrical separation of terminal groups 1 mm thick, Polyamide 6.6		ATS-MTK	9.00.10.09	50	2,1

