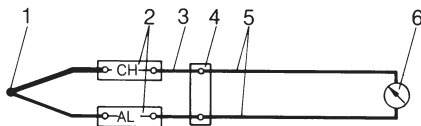


Feed Through Terminals

Weidmuller thermocouple terminal blocks are specially designed for use in temperature measuring circuits. The current bars in these terminals are made of the same material as the thermocouple, which ensures continuity of the thermocouple material throughout the circuit and increases the accuracy of the temperature signal.

- Insulation material and profile are like standard feed through terminals.
- Type K, T, J, S/R, B, E available in pre-assembled 2-pole blocks.
- Special thermocouple marking according to ANSI standards.

Configuration of a temperature measuring circuit



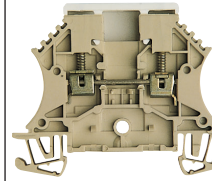
- 1 Thermocouple (sensor)
- 2 Thermocouple terminals
- 3 Thermocouple wire
- 4 Reference junction
- 5 Supply conductors (to and from)
- 6 Measuring instrument

Technical Data

Thermocouples to IEC 584 (DIN 43710)

	Busbar	ID#*
	Chromel	1
	Alumel	2
	Copper	5
	Constantan	4
	Iron	3
	Constantan	4
	E-copper	5
	A-copper	6
	S-copper	7
	E-copper	5
	Chromel	1
	Constantan	4

WDU 2.5/TC



Thermocouple

Terminal Block Selection Data

Available Options	Version	Part No.
Beige Wemid; Type K	NiCr – Ni	1024100000
for thermocouples Type T	Cu – CuNi	1024200000
to IEC 584 Type J	Fe – CuNi	1024300000
(DIN 43710) Type S + RPT 10% – Pt Rh/Pt 13% – Pt Rh		1024400000
Type B	Pt 30% Rh – Pt 6% Rh	1033700000
Type E	NiCr – CuNi	1033300000

Dimensions

Width / Length / Height mm (in.)	for TS 35	10/60/50.5 (.39/2.36/1.99)
Insulation stripping length	mm (in.)	10 (.39)

Technical Data

Rated voltage / rated current / wire size	UL	–**
	CSA	
	VDE	– / – / 2.5 mm ²
Torque	Nm (lb. in.)	0.8 (7.1)
Clamping screw	M	2.5

Selected Accessory Data†

End Plate (WAP) / Partition (WTW) (thickness mm)	Type	Part No.
WAP	Beige Wemid WAP (1.5)	1050000000
WTW	Beige Wemid WTW (3)	1050100000

Tools

Screwdriver	SD	9008330000
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Marking Tags

	Print	
Consecutive horizontal	DEK 5/5	0473460001
Consecutive vertical	DEK 5/5	0473560001

Note: Part numbers shown are for a single card of pre-printed tags numbered 1-50. For additional information, see Accessories section.

†See Accessories section for additional information.

**Due to low voltage generated by thermocouple, UL does not rate thermocouple blocks.

*ID# is stamped into current bar.