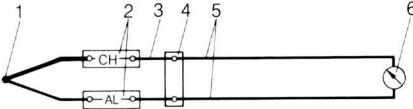


Feed Through Terminals

Weidmüller thermocouple terminals are specially designed to transmit very small voltages in temperature measuring circuits. The current bars are made of the same material as the thermocouple wire, which ensures continuity of material increasing the accuracy of the temperature signal.

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

Current Bar Identification Numbers

1. Chromel
2. Alumel
3. Iron
4. Constantan

Current bar identification numbers are stamped into the current bars. The copper current bar is identified by its color.

Symbols Thermocouples to DIN 43710

Type	Terminal Designation	Material
Type J Fe (positive leg)		Iron
CuNi (negative leg)		Constantan
Type T Cu (positive leg)		Copper
CuNi (negative leg)		Constantan
Type K NiCr (positive leg)		Chromel
Ni (negative leg)		Alumel
Type E NiCr (positive leg)		Chromel
CuNi (negative leg)		Constantan

Terminal Block Selection Data

Available Options	Version
Beige PA Type E	Chromel (+) / Constantan (-)
Beige PA Type J	Iron (+) / Constantan (-)
Beige PA Type K	Chromel (+) / Alumel (-)
Beige PA Type T	Copper (+) / Constantan (-)
Beige PA	Chromel (+)
Beige PA	Alumel (-)
Beige PA	Copper (+)
Beige PA	Constantan (-)
Beige PA	Iron (+)
Brown KrG	Chromel (+)
Brown KrG	Alumel (-)
Brown KrG	Copper (+)
Brown KrG	Constantan (-)
Brown KrG	Iron (+)

Dimensions	
Width / Length / Height mm (in.)	for TS 32 18/36.5/49.5 (.72/1.44/1.95) for TS 35 12/36.5/49.5 (.48/1.44/1.95)
Insulation stripping length	mm (in.) 10 (.39)

Technical Data	
Wire size	UL #22...12 AWG CSA #26...12 AWG VDE 2.5 mm ²
Torque	Nm (lb. in.) 0.8 (7.0)
Clamping screw	M 2.5

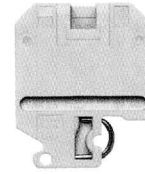
Selected Accessory Data†

End Plate (thickness mm)	Type	Part No.
	PA	AP (1.5) 0279560000

Partition (thickness mm)	Type	Part No.
	PA Beige Wemid HP	TW (1.5) 0302860000

Marking Tags	Print	
Note: Part numbers are shown for a single card of pre-printed tags numbered 1-50.	Consecutive horizontal	DEK 5/6 0468660001
	Consecutive vertical	DEK 5/6 0468760001

SAK 2.5 TC* with Shield



Thermocouple,
Single Level, 3 Pole

SAK 2.5 TC**



Thermocouple,
Single Level, 2 Pole

SAK 2.5 TC*		SAK 2.5 TC**	
Terminal	Part No.	Terminal	Part No.
1	9102220000	1	9100960000
2	9105830000	2	9104980000
3	9102200000	1	9100950000
4	9105840000	2	9104990000
5	9102230000	1	9100970000
6	9105850000	2	9103890000
7	9102210000	1	9100980000
8	9105860000	2	9105010000

†See Accessories section for additional information.
*One part number consists of three individual terminals.
**One part number consists of two individual terminals.