



WDU 2.5/TC

2.5 mm²



Width/Height/Depth	mm
max. current / max. cond. cross-section	-
Max. clamping range	mm ²

10.2 x 60 x 50	
/ 2.5	
0.13...2.5	

Ex eb II C GbII
2 G D

IEC 60584, IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
	50		55
			8
2.5	AWG 30...12		2.5 mm ²
/ 3			
A2 / V-0			

SIRA 02ATEX3153 U

Technical data

Rated data	
Rated voltage to adjoining terminal	-
Rated current	-
for wire cross-section	mm ²
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm ²
Flexible / Flexible with ferrule	mm ²
Tightening torque / Clamping screw	Nm
Stripping length / Blade size	mm/-

Rated connection	
0.5...2.5 / 1.5...2.5	
0.5...2.5 / 0.5...2.5	
0.4...0.6 / (M 2.5)	
10 / 0.6 x 3.5 mm	

Note

Ordering data

Version	
(NiCr - Ni) type K	
(Cu - CuNi) type T	
(Fe-CuNi) type J	
(Pt 10% - Pt Rh/Pt 13% - Pt Rh) type SR	
(Pt 10% Rh - Pt 6% Rh) type B	
(NiCr - CuNi) type E	
(NiSiI - Nicrosil) type N	

Type	Qty.	Order No.
WDU 2.5/TC TYP K	25	1024100000
WDU 2.5/TC TYP T	25	1024200000
WDU 2.5/TC TYP J	25	1024300000
WDU 2.5/TC TYP SR	25	1024400000
WDU 2.5/TC TYP B	25	1033700000
WDU 2.5/TC TYP E	25	1033300000
WDU 2.5/TC TYP N	25	1041500000

Note

Accessories

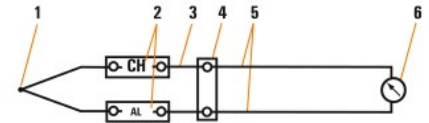
End plate / Partition plate	
	dark beige
	dark beige
End bracket	
	dark beige
Marking tags	
	dark beige

Type	Qty.	Order No.
WAP 2.5-10	50	1050000000
WAP 16+35 WTW 2.5-10	20	1050100000
WEW 35/2	50	1061200000
DEK 5/5 MC NE WS	1000	1609801044

Weidmüller thermocouple terminals are specially designed for the transmission of very small voltages in temperature measuring circuits. Special current bars ensure that no false signals are transmitted within the terminal when temperature differences between the positive and negative paths exist. This high measuring precision is required, for example, in aircraft engine test rigs, complicated chemical processes, controllers, etc.

- Material of current bar corresponds to thermal and compensating conductors
- Clear thermocouple marking
- 2-pole blocks per thermocouple
- Modular width 10 mm

Configuration of a temperature measuring circuit



- 1 Thermocouple (sensor)
- 2 Thermocouple terminals
- 3 Compensating conductor
- 4 Reference junction
- 5 Supply and return conductors
- 6 Measuring instrument

The thermocouple terminals shown in this measuring circuit are used for the thermoelectrical transmission of the thermoelectric voltage from the thermocouple to the reference junction and the indicator unit via the compensating conductor. Thermocouple terminals are required for constructing a temperature measuring circuit.

Technical data

Thermocouples to IEC 584 (DIN 43 710)

For detailed information on other accessories and application in the online catalogue