

THERMOCOUPLE TERMINAL BLOCKS

These Terminal Blocks are used with thermocouple wires in measurement applications.

As per DIN 43713 & DIN 43714 the current carrying element of the Terminal Block is made of the same material as the Thermocouple wire. These special current carrying elements ensure that there is no loss of potential at the connecting points.

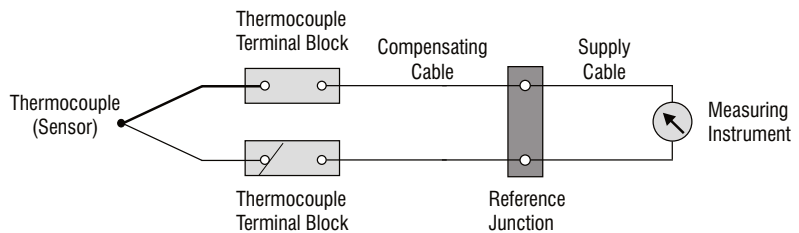
The following types of Thermocouple wires can be connected using standard Thermocouple Terminal Blocks

- 'K' type - Chromel (Ni/Cr), Alumel (Ni/Al)
- 'J' type - Iron (Fe), Constantan (Cu/Ni)
- 'T' type - Copper (Cu), Constantan (Cu/Ni)
- 'E' type - Chromel (Ni/Cr), Constantan (Cu/Ni)



Width (Thickness) x Length		10 x 43 mm			
Height with DIN 35 x 7.5 / 35 x 15 / 32 x 15 mm Rail		46.2 mm / 53.7 mm / 51.1 mm			
Connection Possibility as per		IEC		UL - CSA	
With 1 Conductor per clamp	Stranded / Flexible	0.25 - 2.5 mm ²	22 - 14 AWG		
	Solid	0.25 - 4.0 mm ²	22 - 12 AWG		
	with Ferrule / Lug	0.25 - 2.5 mm ²	22 - 14 AWG		
With 2 same size Conductors per clamp	Stranded / Flexible	0.25 - 1.5 mm ²	22 - 16 AWG		
	with TWIN Ferrule / Lug	0.25 - 1.5 mm ²	22 - 16 AWG		
Wire Stripping Length		9 mm			
Ratings As Per		IEC60947-7-1	IEC 60079-7	UL-1059	CSA22.2-158
Voltage		1000 V	630 V	300 V	300 V
Current		24 A	21 A	21 A	21 A
Torque		0.4 Nm	0.4 Nm	7 lb-in	7 lb-in
Approvals					
Insulation Material / Comparative Tracking Index		Polyamide 66 / 1			
Rated Impulse Voltage / Pollution Degree		4 kV / 3			
Terminal Block		Type / Cat. No.	Suitable for Thermocouple Wire	Standard Pack	
		CTT2.5JK	K Type	50	
		CTT2.5UJ	J Type	50	
		CTT2.5UT	T Type	50	
		CTT2.5UE	E Type	50	
End Plate		EP2.5/4UN	50		
Partition Plate		PP2.5/4UN	50		
Mounting Rail (Refer Pg. for details)		CA701	50 m		
		CA701-15	50 m		
		CA501	50 m		
End Clamp		CA702	50		
		CA802	50		
Marking Tags (Refer Pg. 139 for details)		CA509/K5	100		
Screw Driver		SCS0.5/3	Blade size: 0.5 x 3 mm	10	

Typical Temperature Measuring circuit



TAB CONNECTION TERMINAL BLOCKS

The CTC4U Tab Connection Terminal Blocks offer quick connection possibility. The Terminal Blocks are suited for standard 'Fast On' type lugs.

The connection is achieved by pushing the lug / ferrule onto the tab blade of the Terminal Block.

Width (Thickness) x Length		6 x 47 mm			
Height with DIN 35 x 7.5 / 35 x 15 / 32 x 15 mm Rail		51.2 mm / 58.8 mm / 56.3 mm			
Connection Possibility as per		IEC		UL - CSA	
With 1 Conductor per clamp	Stranded / Flexible with Ferrule / Lug	0.25 - 4.0 mm ²		24 - 12 AWG	
		0.25 - 4.0 mm ²		24 - 12 AWG	
With 2 same size Conductors per clamp	Stranded / Flexible	0.25 - 2.5 mm ²		24 - 12 AWG	
Wire Stripping Length		9 mm			
Ratings As Per		IEC60947-7-1	IEC 60079-7	UL-1059	CSA22.2-158
Voltage		300 V		300 V	300 V
Current		32 A		25 A	25 A
Torque		0.5 Nm		7 lb-in	7 lb-in
Approvals					
Insulation Material / Comparative Tracking Index		Polyamide 66 / 1			
Rated Impulse Voltage / Pollution Degree		2.5 KV / 3			
		Type / Cat. No.		Standard Pack	
Terminal Block		CTC4U		100	
End Plate		EPCTC4U		50	
Mounting Rail (Refer Pg. for details)		CA701		50 m	
		CA701-15		50 m	
		CA501		50 m	
		CA703/1	I _{max.} : 32 A	100	
Permanent Shorting Links	2 pole	CA704/1		100	
	3 pole	CA705/1		100	
	4 pole	CA732/10		100	
	10 pole	CA732/100		10	
	100 pole				
Short Sleeve & Screw for Quick Permanent Shorting		CA807/S/Q/01		100	
End Clamp		CA702 CA802		50 50	
Marking Tags (Refer Pg. 139 for details)		CA509/K6		100	
Test Socket		CA707/TS/01		100	

CTC4U

