



AMERICAN ELECTRICAL, INC.

INDUSTRIAL ELECTRICAL COMPONENTS

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THERMOCOUPLE TERMINAL BLOCKS



The new TCB Series

- ✓ Built in Miniature Female Thermocouple Connector for monitoring and Troubleshooting
- ✓ Screw Type Terminal for Secure and Maintenance Free Connections
- ✓ Type K and J Calibrations
- ✓ Fully Enclosed—No End Plates Required
- ✓ DIN Rail Mountable (32 mm or 35 mm)—Narrow 10.7 mm Width
- ✓ Identified with Calibration and “+”, “-” Connections
- ✓ Write-On terminal markers

SPECIFICATIONS:

Terminal Width: 10.7 mm (0.422")
Terminal Length/Height: 51 mm (2.008")/42.3 mm (1.666")
Installed Height to 35 x 7.5 mm/ 35 x 15 mm DIN Rail: 43.5 mm (1.713")/51 mm (2.009")
Maximum Wire Size: 12 AWG/2.5 mm²
Stripping Length: 8 mm (0.31")
Torque in Nm (in-lb): 0.6 to 0.8 (5.3 to 7.1)
Temperature Rating: -40 to 85°C (-40 to 185°F)

Part Number	Description
TCB-J	Type J Terminal Block
TCB-K	Type K Terminal Block
TCABLE-J	5" long type J T/C cable with male connectors
TCABLE-K	5" long type K T/C cable with male connectors
TCONN-J	Type J male connector
TCONN-K	Type K male connector

Thermocouple Terminal Blocks are manufactured with thermocouple grade alloys to guarantee accurate readings. A built-in female connector allows the user to connect to a handheld meter for applications such as data collection, quality assurance compliance, capability studies and troubleshooting, installation or repairs. The plastic housing is made from gray polyamide 6.6 thermoplastic resin with a UL 94 V0 rating for 85°C. These thermocouple terminal blocks are fully enclosed and require no end plates. The screws and

clamps are zinc plated steel, and together they provide an excellent vibration, maintenance free and corrosion resistant connection. The TCB terminal blocks mount on standard 35 mm DIN rails or 32 mm G-type rails, and are identified with calibration type and positive (+) and negative (-) connections. Wire entry is funneled to allow

quick wire insertion even with stranded wire.

