

AMERICAN ELECTRICAL, INC.

INDUSTRIAL ELECTRICAL COMPONENTS

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THERMOCOUPLE TERMINAL BLOCKS



- ✓ 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

The new TCB Series 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/

 $35 \times 15 \text{ mm DIN Rail:}$

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

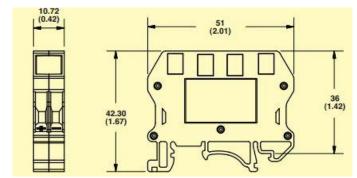
(5.3 to 7.1)

Temperature Rating: -40 to 85°C

(-40 to 185°F)

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



 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

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.

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