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cFP-CB-1

FieldPoint™ Operating Instructions

cFP-CB-11

Best Practices for Using the Compact FieldPoint General-Purpose Connector Block

This document is a supplement to the *SUBCON 37L D-Subminiature Connector Installation Instructions* shipped with the cFP-CB-11. The cFP-CB-11 is a general-purpose connector block with the following features:

- Bottom cabling provides low front profile for Compact FieldPoint bank
- No need to solder wire ends
- Voltage signals up to $30 V_{\text{rms}}$ /42.4 V peak or 60 VDC
- Current signals up to 1 A per screw terminal, 16 A total on all screw terminals
- Accepts 26–16 AWG (0.14–1.5 mm²) wires
- –20 to 70 °C temperature range

NI recommends orienting the printed circuit board for bottom cabling as described in the installation instructions. Refer to the following table to determine how many wires you can fit into the connector block in each orientation.

Maximum Number of Wires by Gauge and Cabling Direction

Cabling Direction	Maximum Number of Wires		
	18 AWG (0.75 mm ²)	22 AWG (0.34 mm ²)	26 AWG (0.14 mm ²)
Top cabling	4	9	18
Bottom cabling	10	21	28

Other Connector Options

If your application uses hazardous voltage or high current, requires frequent rewiring, or is subject to shock or vibration, use cFP-CB-1 or cFP-CB-3 connector blocks.

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