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Compact FieldPoint I/O Connectivity Accessories

37-Pin I/O Cables

These 37-pin I/O cables make it possible to connect the I/O signals either to external DIN-rail-mounted blocks or directly to your sensors.

I/O Cable	Length	Connector 1	Connector 2	For use on:	Part Number
SH37F-37M-1	1 m	37-pin female D-Sub	37-pin male D-Sub	DIN rail connector blocks	778621-01
SH37F-37M-2	2 m	37-pin female D-Sub	37-pin male D-Sub	DIN rail connector blocks	778621-02
SH37F-P-4	4 m	37-pin female D-Sub	Pigtail ends for soldering	Sensors or other solder cup devices	778620-04



Figure 4. SH37F-37M-1 I/O Cable



Figure 5. SH37F-P-4 I/O Cable

External DIN-Rail-Mounted Connector Blocks (See Figure 6)

In installations where space is not a concern and where you need to probe your I/O signals, a good option is to use external DIN-rail-mounted connector blocks. You can easily wire signals to the inputs and outputs of Compact FieldPoint using these external DIN-rail-mountable connector blocks. A connector block is connected to the Compact FieldPoint backplane using the 37-pin I/O cable. NI offers both a horizontal block and a vertical block. The CB-37FV is a vertical connector block that mounts perpendicular to the DIN rail. The CB-37FH is a horizontal connector block that mounts in-line with the DIN rail.

Connector Block	Number of Screw Terminals	Voltage Limit	Part Number
CB-37FV	37	42.4 V	778672-01
CB-37FH	37	42.4 V	778673-01



Figure 6. CB-37FV Vertical DIN Rail Mounted Connector Block

Empty Slot Cover

The blank slot cover can be used to cover both the module connector and I/O the connector for an unused slot. This cover protects against dust and damage and provides a clean finished look for backplanes that are not full.



Figure 7. CB-37H Horizontal DIN Rail Mounted Connector Block

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