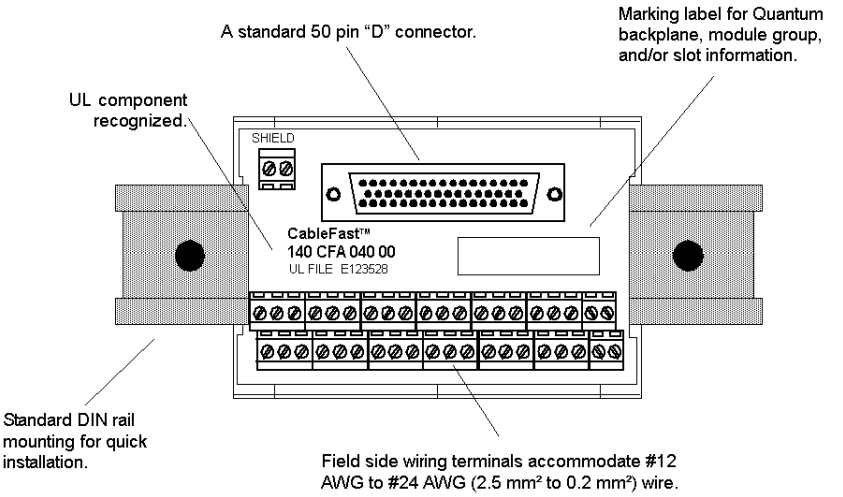
### CableFast Terminal Blocks

This table includes descriptions for the following terminal blocks.

| Block Number | Block Description |
|---|---|
| 140CFA04000 | The A block is a straight through point to point connection on the terminal block. Wiring of this block is identical to wiring the Quantum I/O connector (140XTS00200). |
| 140CFB03200 | The B block is used for individually fused 2-wire digital inputs. This terminal block is designed to prevent a single point failure from affecting the remaining inputs. It is not recommended for sourced 1-wire inputs (powered from the field). |
| 140CFC03200 | The C block provides connection for 32 group fused input or output points. The block may be used for 1- or 2-wire inputs or outputs, and features a fuse per group, four groups total. Users select input or output mode via four switches located on the module. (The default is input mode.) |
| 140CFD03200 | The D block is used for sensors requiring either 2- or 3-wire electrical interface. A fuse per group is supplied to accommodate the I/O module (4) groups. |
| 140CFE03200 | The E block provides connection for 32 individually fused 24 Vdc outputs. 1- and 2-wire interfacing may be selected. Field power must be supplied to the four groups. |
| 140CFG01600 | The G block is a high power output block used on both AC and DC circuits requiring up to 2 A. Individual fusing is provided and may be used in both 1- and 2-wire installations. It is also used for isolated AC modules. |
| 140CFH00800 | The H block is used for analog inputs, with individual fusing provided per channel. This interface provides plus, minus, shield, and power supply interface for both field and loop power configurations. |
| 140CFI00800 | The I block is used for analog inputs. This interface provides plus, minus, shield, and power supply interface for both field and loop power configurations. |
| 140CFJ00400 | The J block is used for analog outputs, with individual fusing provided per channel. This interface provides plus, minus, shield, and power supply interface for both field and loop power configurations. |
| 140CFK00400 | The K block is used for analog outputs. This interface provides plus, minus, shield, and power supply interface for both field and loop power configurations. |

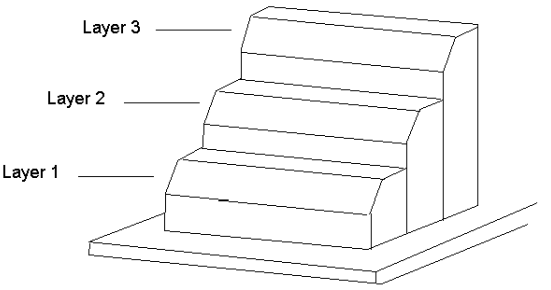
## CableFast Terminal Block Features

All CableFast terminal blocks have the following features.




## CableFast Terminal Block Stacking Convention

The following figure and table show the stacking convention used by CableFast terminal blocks.




| | | | |
|---|---|---|---|
| Signal | | | Layer 3 |
| Positive | Signal | Signal | Layer 2 |
| Negative | Positive | Negative | Layer 1 |

# 140CFJ00400 Quantum CableFast Cabling Block

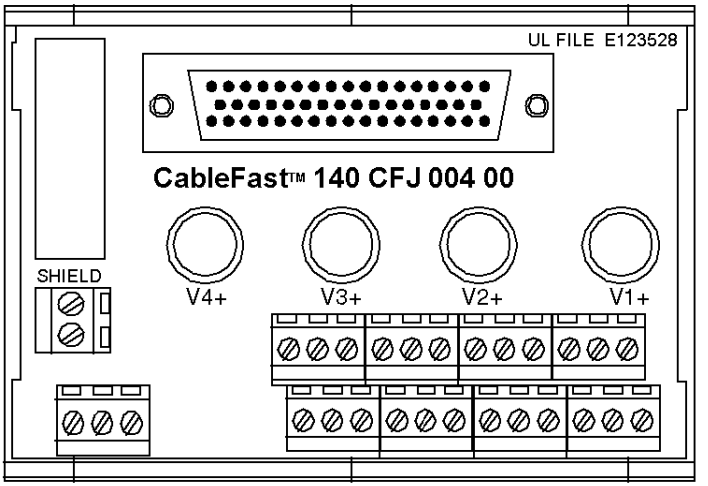
## Overview

The J block is used for analog outputs, with individual fusing provided per channel. This interface provides plus, minus, shield, and power supply interfaces for both field and loop power configurations.

See Common Features of the CableFast Cabling System *(see page 754)* for information on common specifications and features of CableFast cabling blocks.

## Terminal Block

The following figure shows the 140CFJ00400 terminal block.



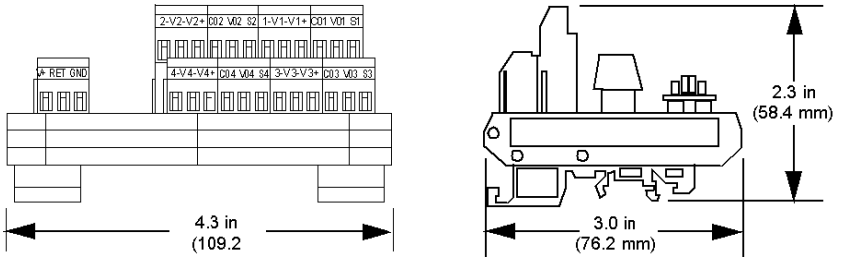

## Application Notes

The following are the application notes for the 140CFJ00400 module.

1. **Configuration** – Four analog outputs with a common loop supply. Each point is allocated six terminals.
2. **Compatibility** – This terminal block provides four individually 0.063 A fused connection point sets for the 140ACO02000 analog output module.

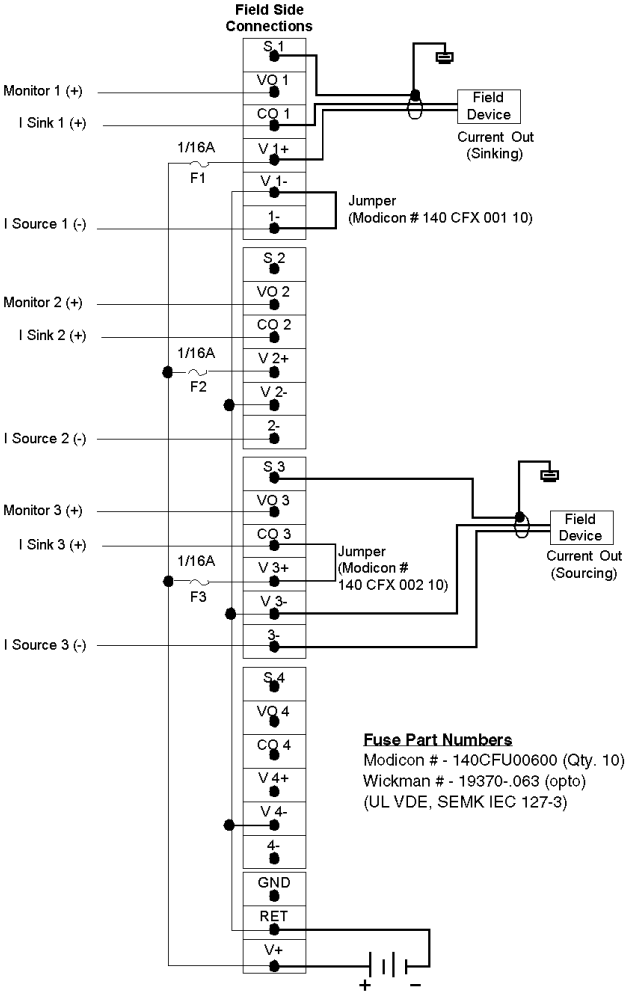
## Dimensions

The following figures show the dimensions for the 140CFJ00400 module.



### Wiring Diagram (Source Grounding)

The following figure shows the wiring for the 140CFJ00400 (source grounding) module.

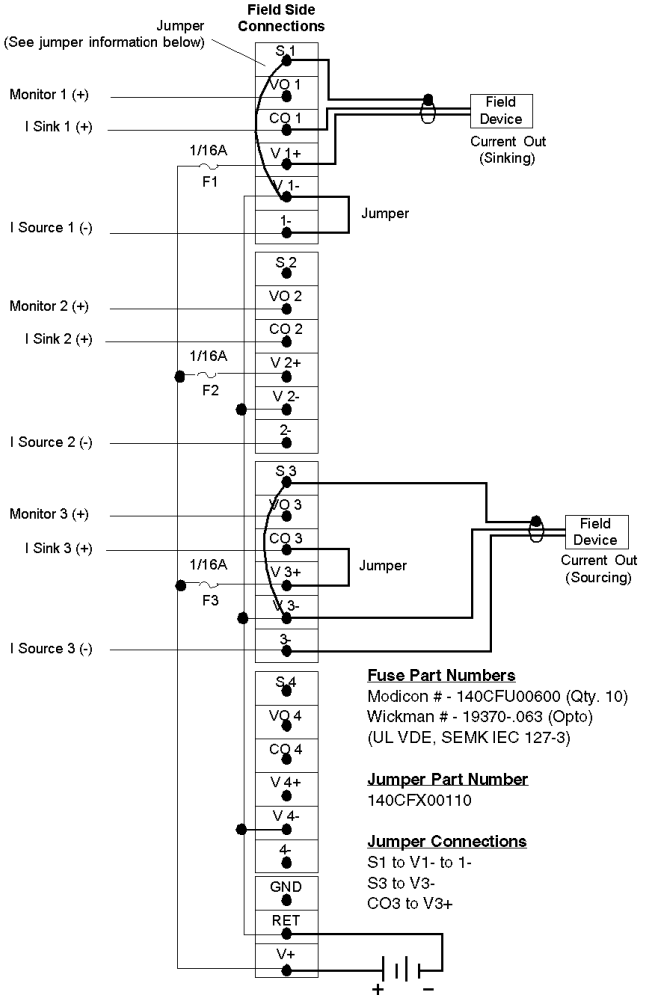



**NOTE:**

1. When using a single power supply, there will be no channel-to-channel isolation of input points.
2. For the required jumper options for the 140ACO02000, see the wiring diagrams in ACO02000 map, wiring diagram *(see page 509)*.
3. The GND (ground) terminal point is not connected.

### Wiring Diagram (Instrument Grounding)

The following figure shows the wiring for the140CFJ00400 (instrument grounding) module.

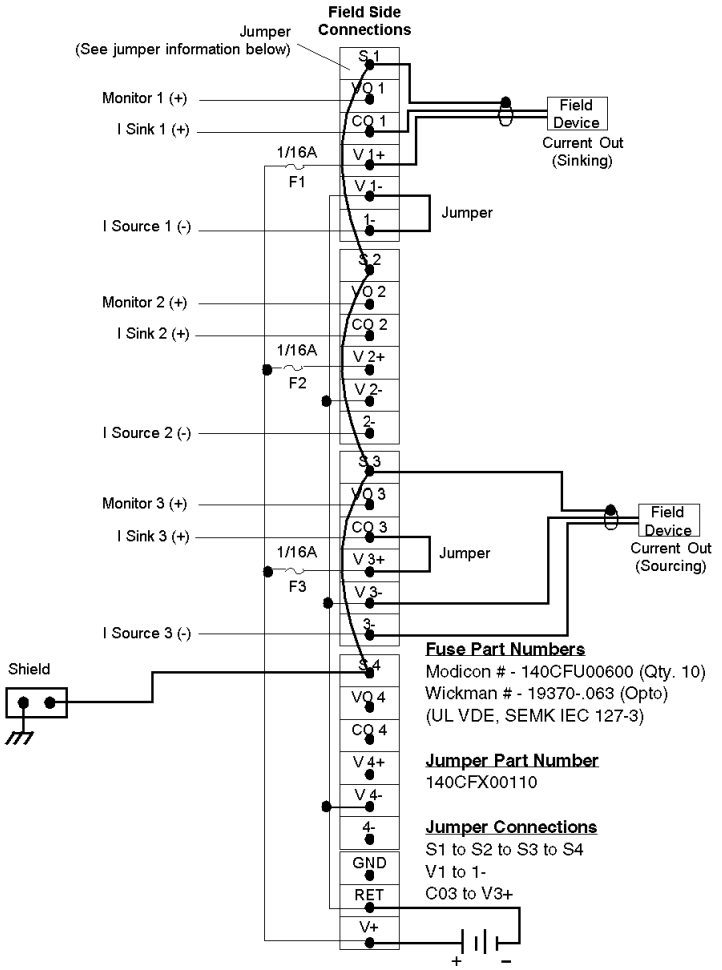



**NOTE:**

1. When using a single power supply, there will be no channel-to-channel isolation of input points.
2. For the required jumper options for the 140ACO02000, see the wiring diagrams in ACO02000 map, wiring diagram *(see page 509)*.
3. The GND (ground) terminal point is not connected.

### Wiring Diagram (Chassis Grounding)

The following figure shows the wiring for the 140CFJ00400 (chassis grounding) module.




**NOTE:**

1. When using a single power supply, there will be no channel-to-channel isolation of input points.
2. For the required jumper options for the 140ACO02000, see the wiring diagrams in ACO02000 map, wiring diagram *(see page 509)*.
3. The GND (ground) terminal point is not connected.