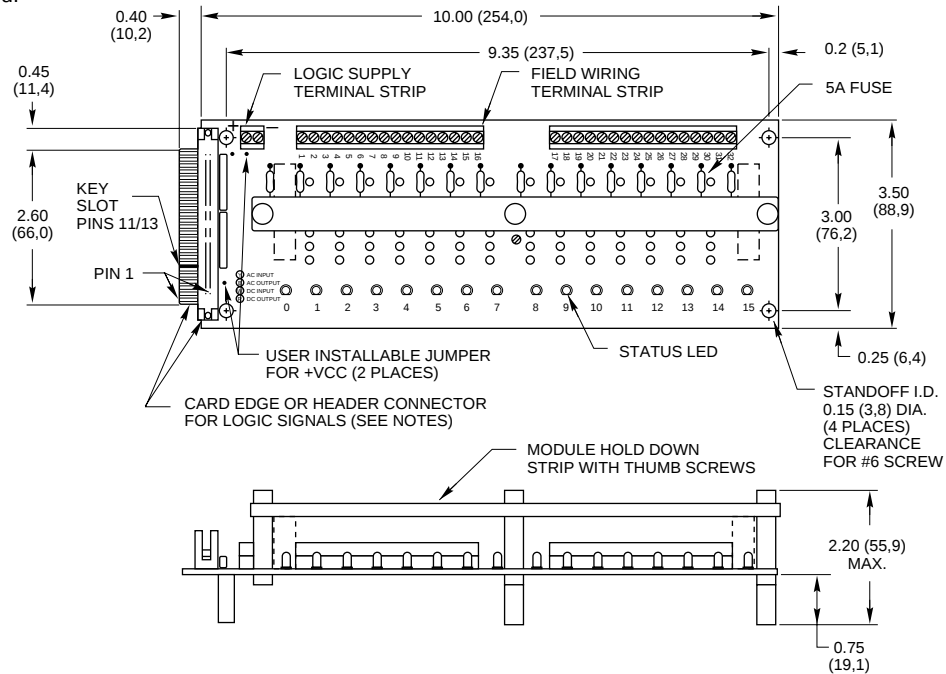


16 CHANNEL RACK: Miniature

Part No. 70MRCK16

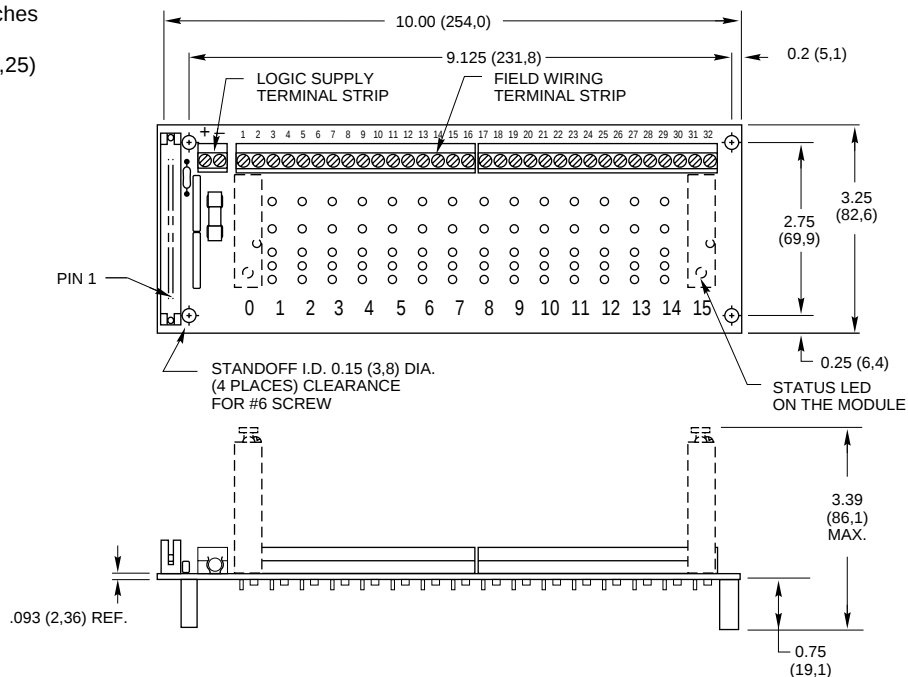
Dimensions are shown in inches
(and millimeters).
All tolerances are ± 0.010 (0,25)
unless otherwise specified.



16 CHANNEL RACK: G5

Part No. 70GRCK16

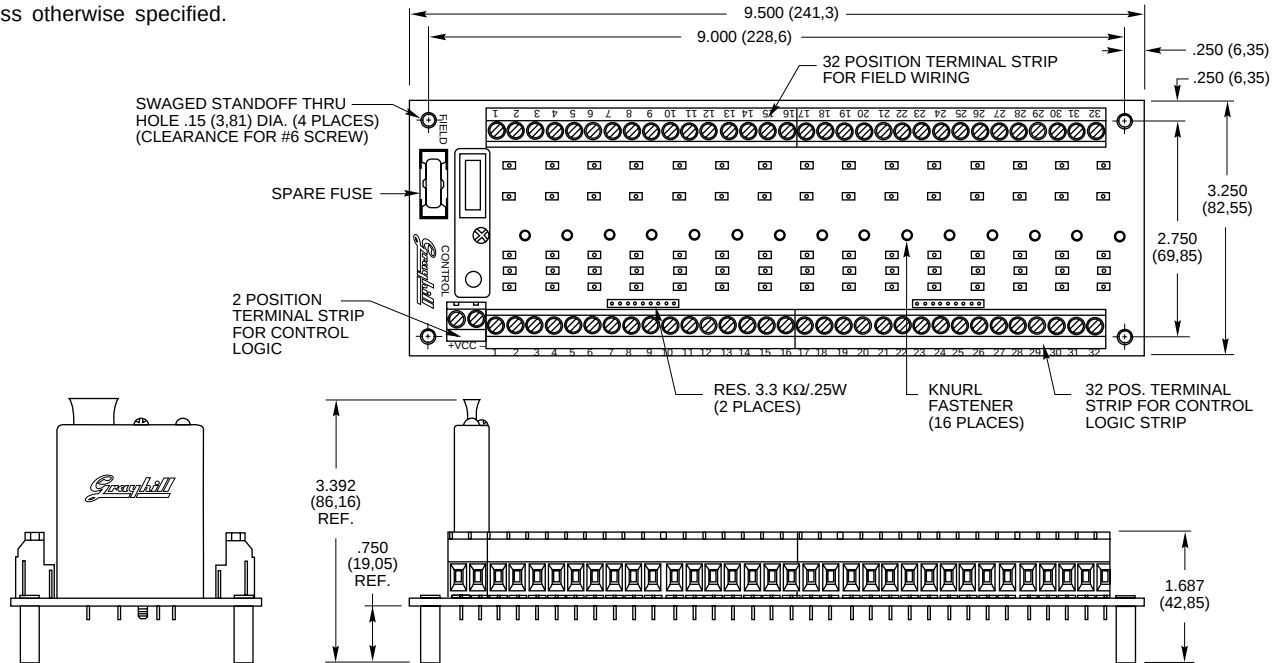
Dimensions are shown in inches
(and millimeters).
All tolerances are ± 0.010 (0,25)
unless otherwise specified.



16 CHANNEL RACK: G5 Control and Field Connection Terminal Blocks

Part No. 70GRCK16T

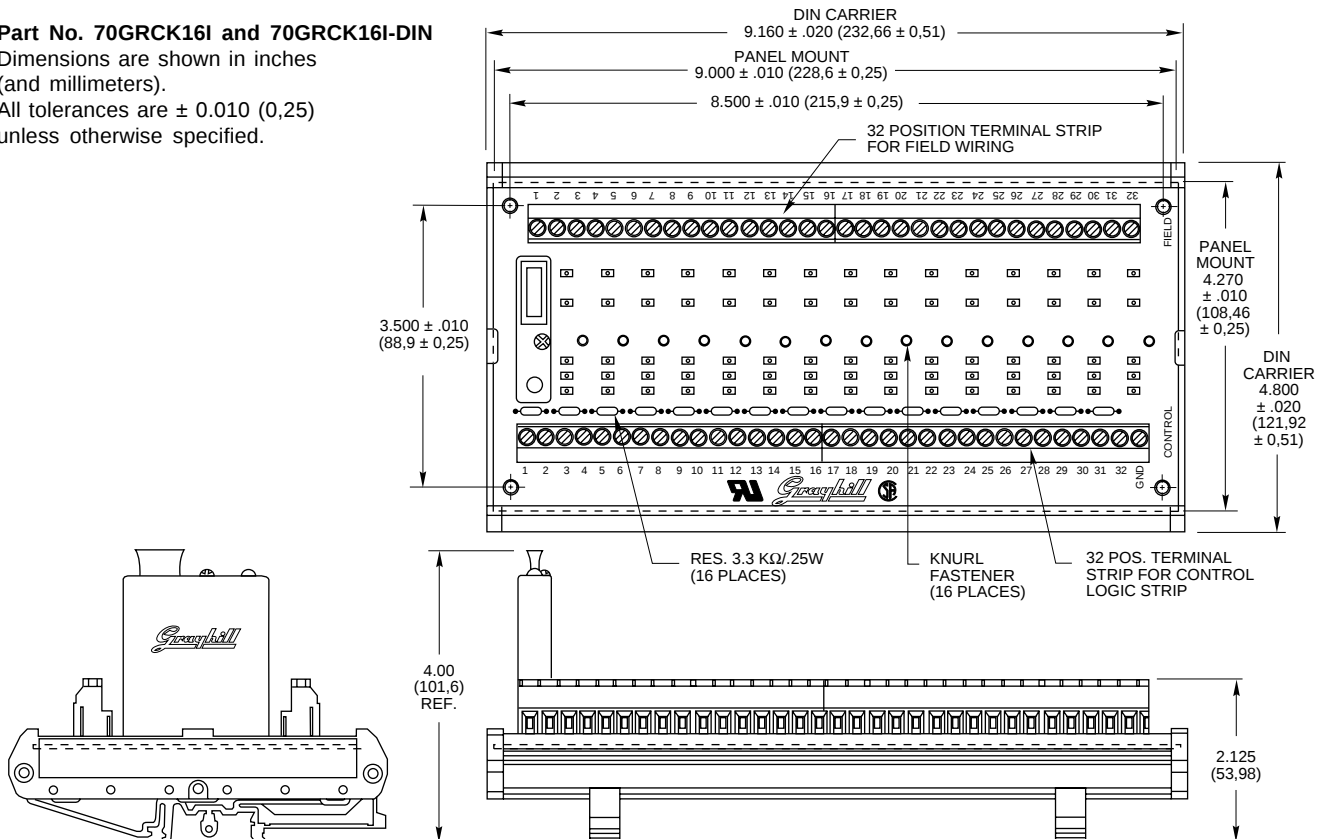
Dimensions are shown in inches
(and millimeters).
All tolerances are ± 0.010 (0,25)
unless otherwise specified.



16 CHANNEL RACK: G5 Channel-to-Channel Isolation

Part No. 70GRCK16I and 70GRCK16I-DIN

Dimensions are shown in inches
(and millimeters).
All tolerances are ± 0.010 (0,25)
unless otherwise specified.

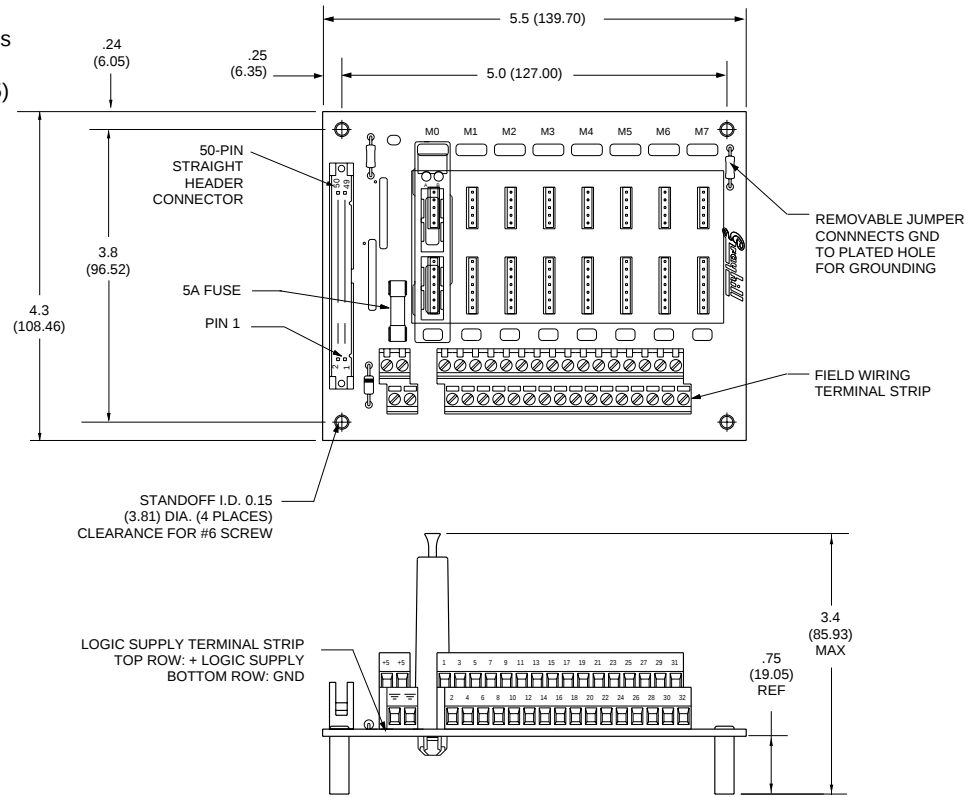


16 CHANNEL RACK: OpenLine® for System 50

Part No. 70LRCK16-HL

Dimensions are shown in inches (and millimeters).

All tolerances are ± 0.010 (0,25) unless otherwise specified.

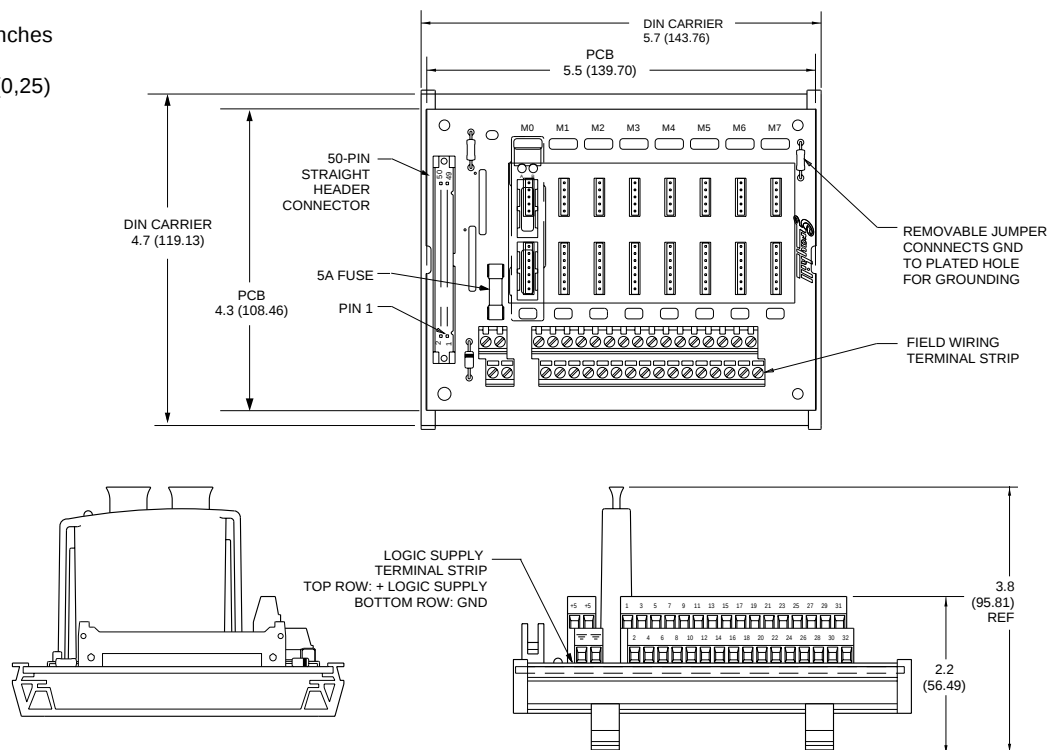


16 CHANNEL RACK: OpenLine® w/ DIN Rail Mount for System 50

Part No. 70LRCK16-DIN

Dimensions are shown in inches (and millimeters).

All tolerances are ± 0.010 (0,25) unless otherwise specified.



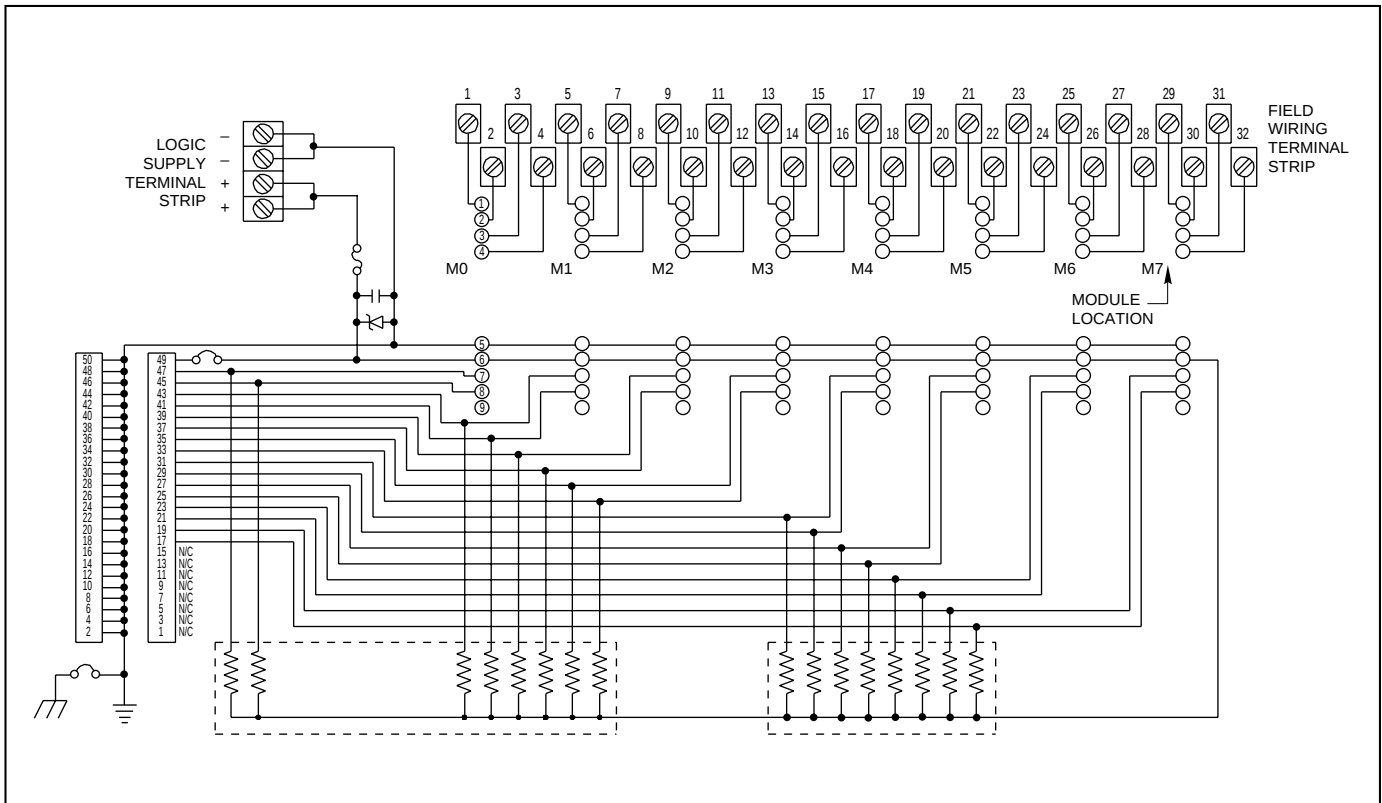
The diagram illustrates the logic supply and signal connections for the 50-pin header connector. It shows a 50-pin header connector on the left, with pins numbered 2 to 50. Pins 2 through 15 are labeled as N/C (Not Connected). Pins 16 through 32 are labeled as N/C (Not Connected). Pins 33 through 50 are labeled as N/C (Not Connected). The header is connected to a logic supply terminal strip at the top, which includes a 1 A fuse and a user-installable jumper for +VCC. The logic supply terminal strip is also connected to a field wiring terminal strip on the right, which is numbered 1 through 32. The field wiring terminal strip is connected to a module position indicator on the right, which is numbered 1 through 15. The module position indicator is connected to a 50-pin header connector on the right, which is numbered 1 through 50. The header is connected to a logic supply terminal strip at the top, which includes a 1 A fuse and a user-installable jumper for +VCC. The logic supply terminal strip is also connected to a field wiring terminal strip on the right, which is numbered 1 through 32. The field wiring terminal strip is connected to a module position indicator on the right, which is numbered 1 through 15. The module position indicator is connected to a 50-pin header connector on the right, which is numbered 1 through 50. The header is connected to a logic supply terminal strip at the top, which includes a 1 A fuse and a user-installable jumper for +VCC. The logic supply terminal strip is also connected to a field wiring terminal strip on the right, which is numbered 1 through 32. The field wiring terminal strip is connected to a module position indicator on the right, which is numbered 1 through 15. The module position indicator is connected to a 50-pin header connector on the right, which is numbered 1 through 50.

The diagram illustrates the wiring for a 32-pin module. The pins are numbered 1 through 32. A barrier strip is used for field wiring, with a 'MODULE LOCATION' indicated by an arrow pointing to the 15th pin. The wiring is as follows:

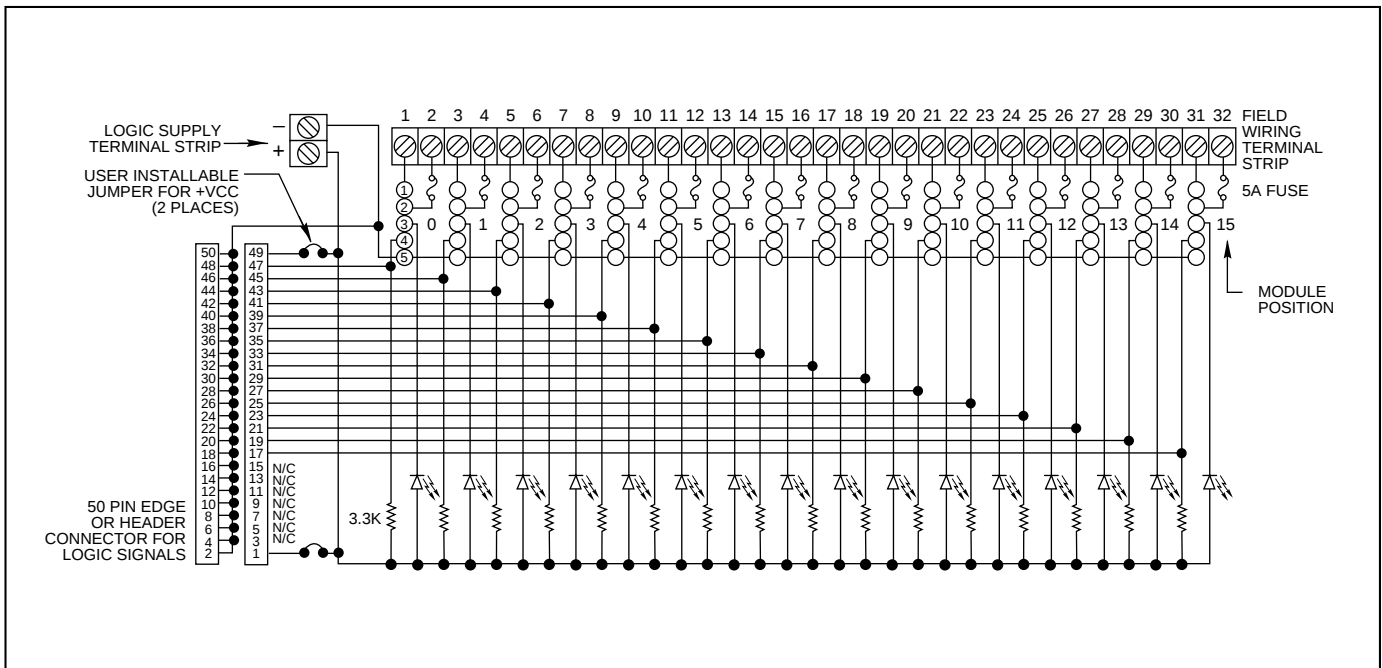
- VCC:** Pins 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31 are connected to VCC.
- GND:** Pins 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32 are connected to GND.
- LOGIC:** Pins 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31 are connected to LOGIC.
- Pull-up Resistor:** A 3.3 KΩ resistor is connected between VCC and the 15th pin.

Diagram illustrating the wiring of a 32-channel module. The module is connected to a control barrier strip (GND) and a barrier strip for field wiring of the module. The module location is indicated by an arrow. The module has 32 channels, each with a pull-up resistor (3.3 KΩ) connected to a common +VCC line. The module is connected to a control barrier strip (GND) and a barrier strip for field wiring of the module. The module location is indicated by an arrow.

SCHEMATIC: Part No. 70LRCK16-HL, -DIN



SCHEMATIC: Part Nos. 70RCK16 and 70MRCK16



ORDERING INFORMATION (modules ordered separately)

Part Number	I/O	Description	UL	CSA	Style
70RCK16	16	Card edge	X	X	Standard
70RCK16-HL	16	50-pin header with ejector levers	X	X	Standard
70MRCK16-EC	16	Card edge	X	X	Mini
70MRCK16-HL	16	50-pin header with ejector levers	X	X	Mini
70GRCK16-HL	16	50-pin header with ejector levers	X	X	G5
70LRCK16-HL	16	50-pin header with ejector levers	X	X	OpenLine®
70LRCK16-DIN	16	50-pin header with DIN rail mnt.	X	X	OpenLine®
70GRCK16I	16	Positive or negative true logic* —Panel Mount	X	X	G5
70GRCK16I-DIN	16	Positive or negative true logic* —DIN rail mount	X	X	G5
70GRCK16T	16	Negative true logic*—Panel Mount	X	X	G5

* Positive true logic applies to output modules only.

SYSTEM 50 RACKS OVERVIEW

See page L-69.

Available from your local Grayhill Distributor. For prices and discounts, contact a local Sales Office, an authorized local Distributor, or Grayhill.