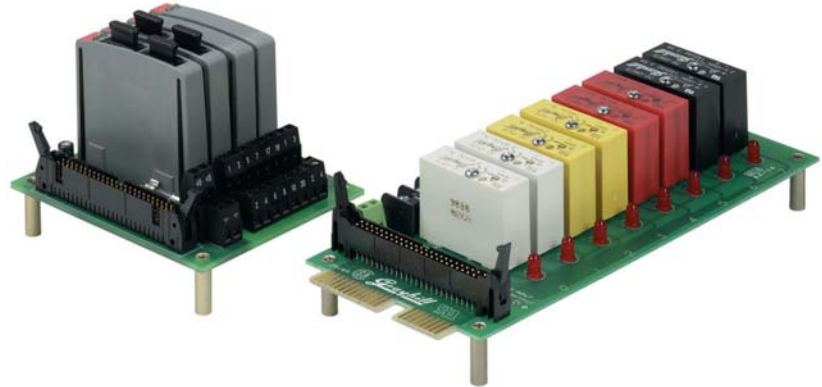## RACKS
8 Channel

FEATURES
• For use with System 50 Style Controllers
• Available for Standard Miniature and
   OpenLine® Modules
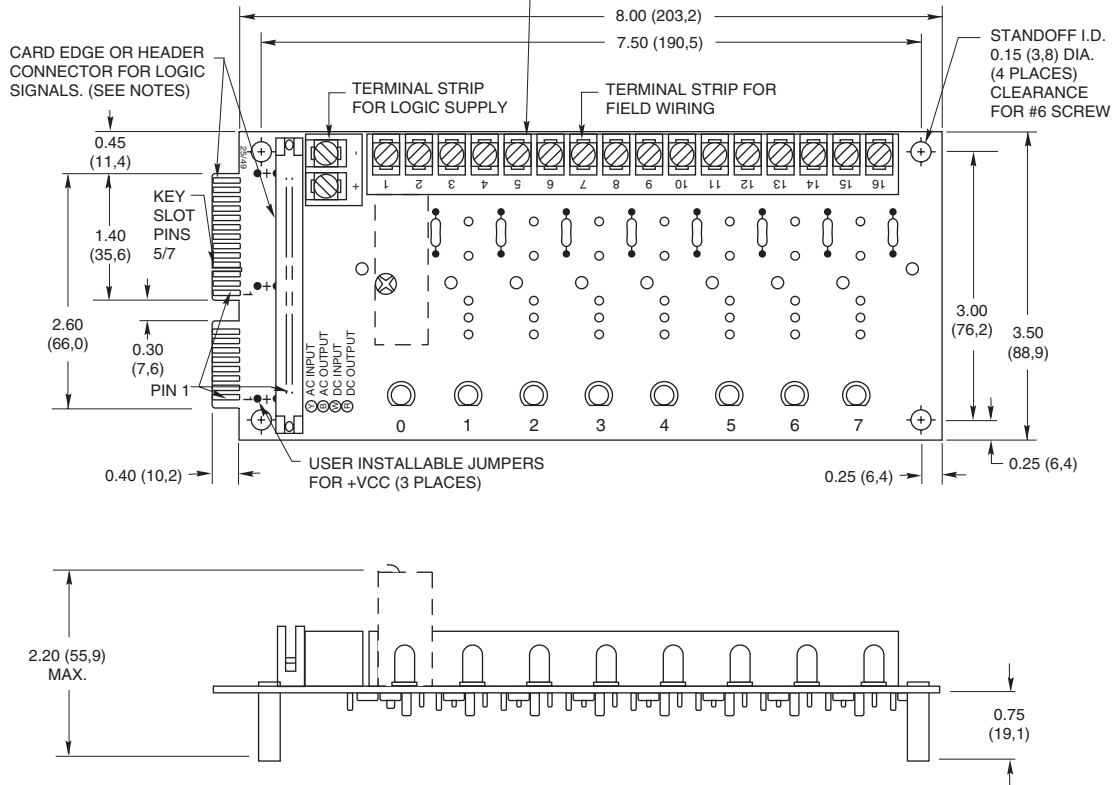• Panel and DIN Rail Mount Versions
• UL, CSA Certified

8 CHANNEL RACK: Standard

Part No. 70RCK8
Dimensions are shown in inches
(and millimeters).
All tolerances are ± 0.010 (0,25)
unless otherwise specified.

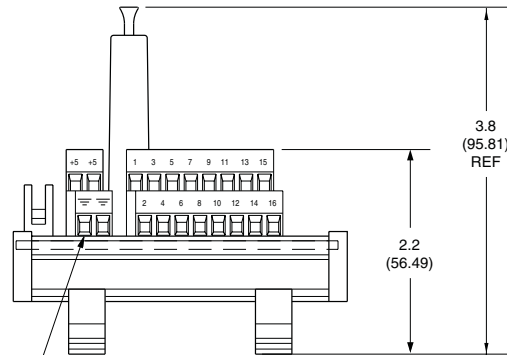NOTE: MAXIMUM TERMINAL
SCREW TORQUE NOT TO
EXCEED 5 IN-LBS.

CARD EDGE OR HEADER
CONNECTOR FOR LOGIC
SIGNALS. (SEE NOTES)

TERMINAL STRIP
FOR LOGIC SUPPLY

TERMINAL STRIP FOR
FIELD WIRING

STANDOFF I.D.
0.15 (3,8) DIA.
(4 PLACES)
CLEARANCE
FOR #6 SCREW

8.00 (203,2)
7.50 (190,5)

0.45 (11,4)

KEY SLOT PINS 5/7

1.40 (35,6)

2.60 (66,0)

0.30 (7,6)

PIN 1

AC INPUT
AC OUTPUT
DC INPUT
DC OUTPUT

0 1 2 3 4 5 6 7

USER INSTALLABLE JUMPERS
FOR +VCC (3 PLACES)

0.40 (10,2)

3.00 (76,2) 3.50 (88,9)

0.25 (6,4)

0.25 (6,4)

2.20 (55,9) MAX.

0.75 (19,1)

System 50

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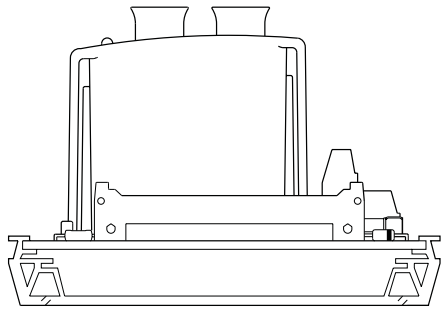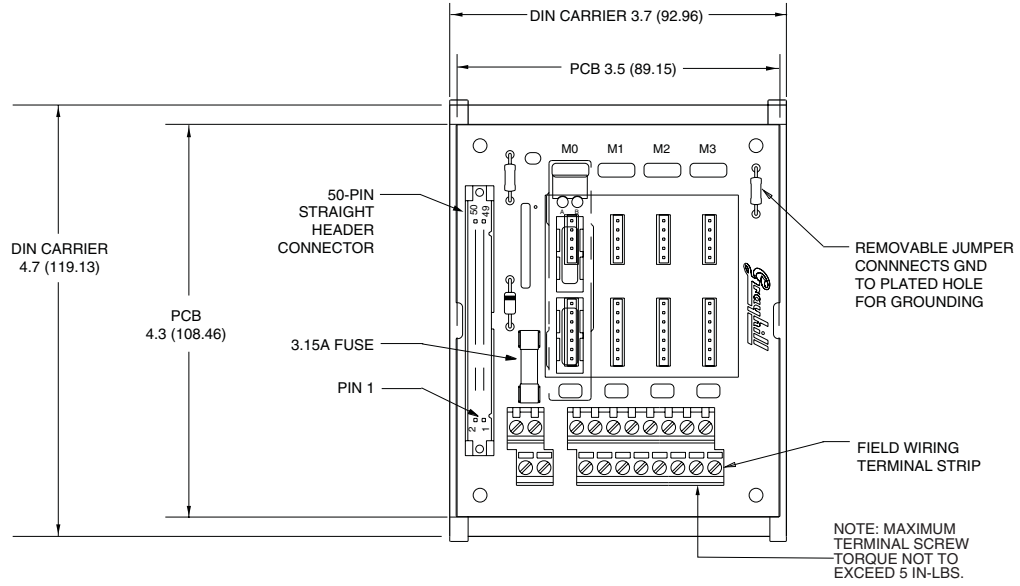
System 50

8 CHANNEL RACK: DIN Rail Mount

Part No. 70LRCK8-DIN
Dimensions are shown in inches
(and millimeters).
All tolerances are ± 0.010 (0,25)
unless otherwise specified.

DIN CARRIER 3.7 (92.96)

PCB 3.5 (89.15)

M0 M1 M2 M3

DIN CARRIER
4.7 (119.13)

PCB
4.3 (108.46)

50-PIN
STRAIGHT
HEADER
CONNECTOR

3.15A FUSE

PIN 1

REMOVABLE JUMPER
CONNNECTS GND
TO PLATED HOLE
FOR GROUNDING

FIELD WIRING
TERMINAL STRIP

NOTE: MAXIMUM
TERMINAL SCREW
TORQUE NOT TO
EXCEED 5 IN-LBS.

3.8
(95.81)
REF

+5 +5

1 3 5 7 9 11 13 15

2 4 6 8 10 12 14 16

2.2
(56.49)

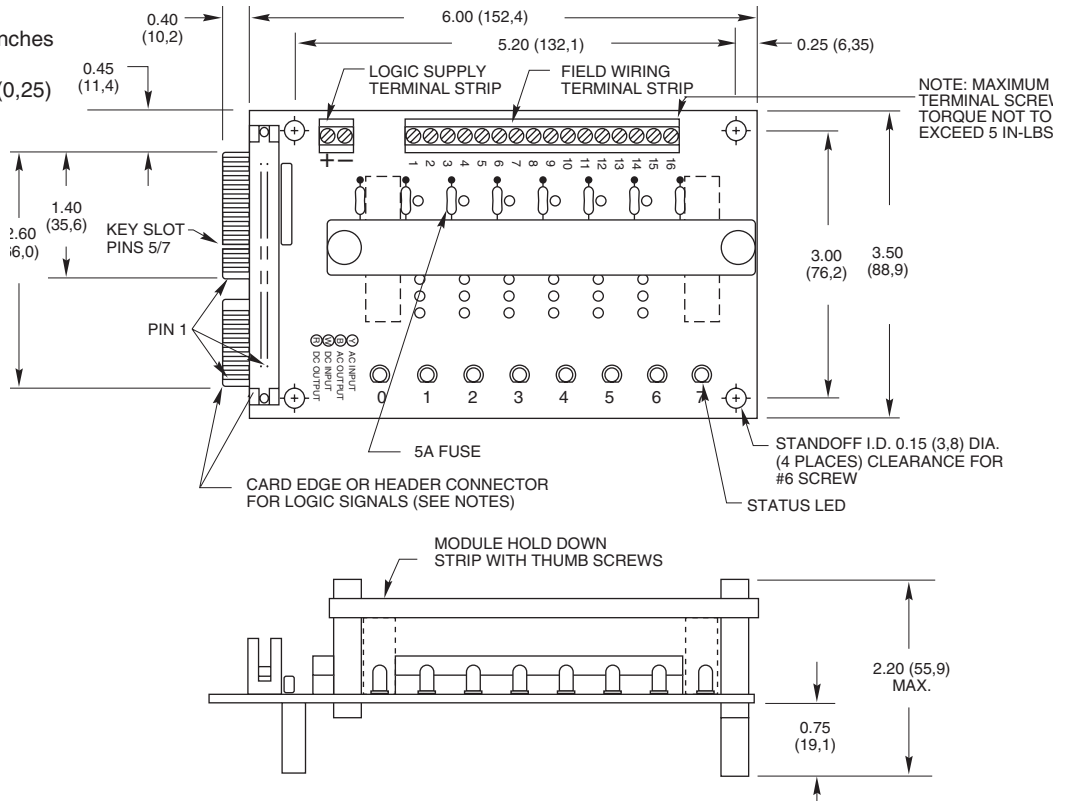LOGIC SUPPLY TERMINAL STRIP
TOP ROW: + LOGIC SUPPLY
BOTTOM ROW: GND
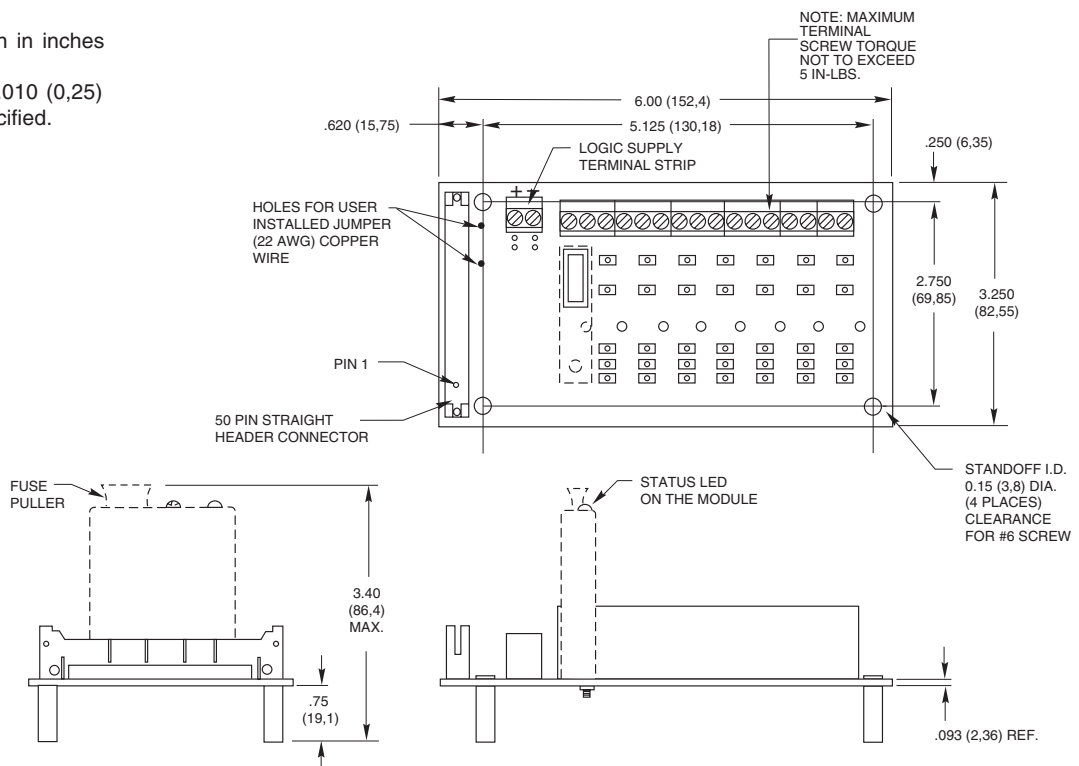
8 CHANNEL RACK: Miniature

Part No. 70MRCK8
Dimensions are shown in inches (and millimeters).
All tolerances are ± 0.010 (0,25) unless otherwise specified.

0.40 (10,2)
0.45 (11,4)
6.00 (152,4)
5.20 (132,1)
0.25 (6,35)

LOGIC SUPPLY TERMINAL STRIP
FIELD WIRING TERMINAL STRIP

NOTE: MAXIMUM TERMINAL SCREW TORQUE NOT TO EXCEED 5 IN-LBS

1.40 (35,6)
2.60 (6,0)

KEY SLOT PINS 5/7

PIN 1

AC INPUT
AC OUTPUT
DC INPUT
DC OUTPUT

3.00 (76,2)   3.50 (88,9)

5A FUSE

CARD EDGE OR HEADER CONNECTOR FOR LOGIC SIGNALS (SEE NOTES)

STANDOFF I.D. 0.15 (3,8) DIA. (4 PLACES) CLEARANCE FOR #6 SCREW

STATUS LED

MODULE HOLD DOWN STRIP WITH THUMB SCREWS

2.20 (55,9) MAX.

0.75 (19,1)

8 CHANNEL RACK: G5

Part No. 70GRCK8
Dimensions are shown in inches (and millimeters).
All tolerances are ± 0.010 (0,25) unless otherwise specified.

NOTE: MAXIMUM TERMINAL SCREW TORQUE NOT TO EXCEED 5 IN-LBS.

.620 (15,75)
6.00 (152,4)
5.125 (130,18)
.250 (6,35)

LOGIC SUPPLY TERMINAL STRIP

HOLES FOR USER INSTALLED JUMPER (22 AWG) COPPER WIRE

2.750 (69,85)   3.250 (82,55)

PIN 1

50 PIN STRAIGHT HEADER CONNECTOR

STANDOFF I.D. 0.15 (3,8) DIA. (4 PLACES) CLEARANCE FOR #6 SCREW

FUSE PULLER

STATUS LED ON THE MODULE

3.40 (86,4) MAX.

.75 (19,1)

.093 (2,36) REF.

8 CHANNEL RACK: OpenLine® System 50

Part No. 70LRCK8
Dimensions are shown in inches (and millimeters).
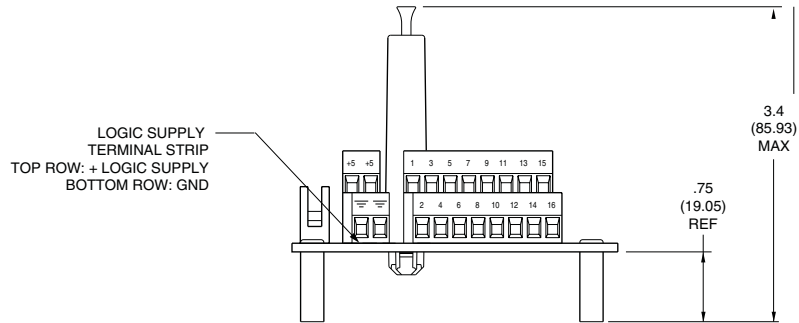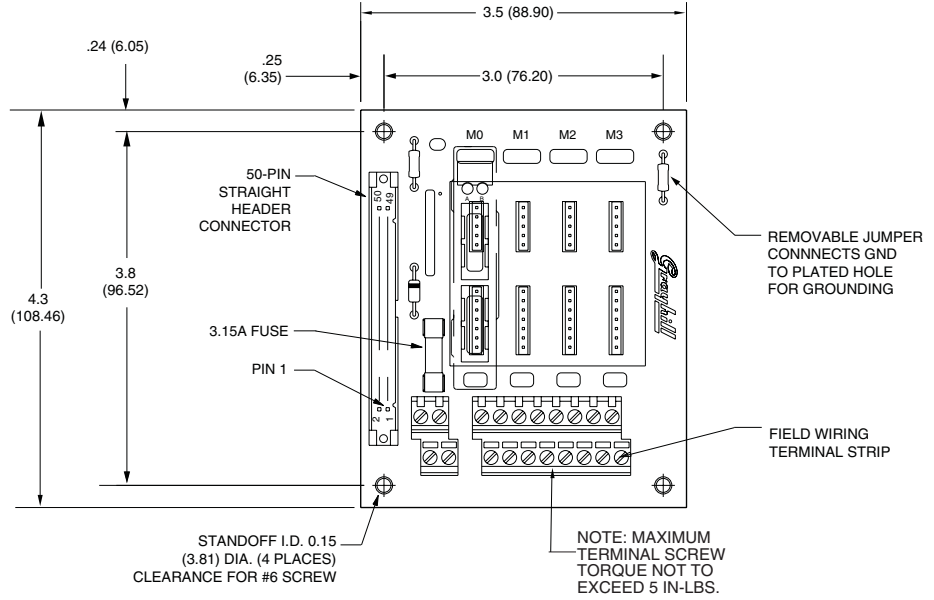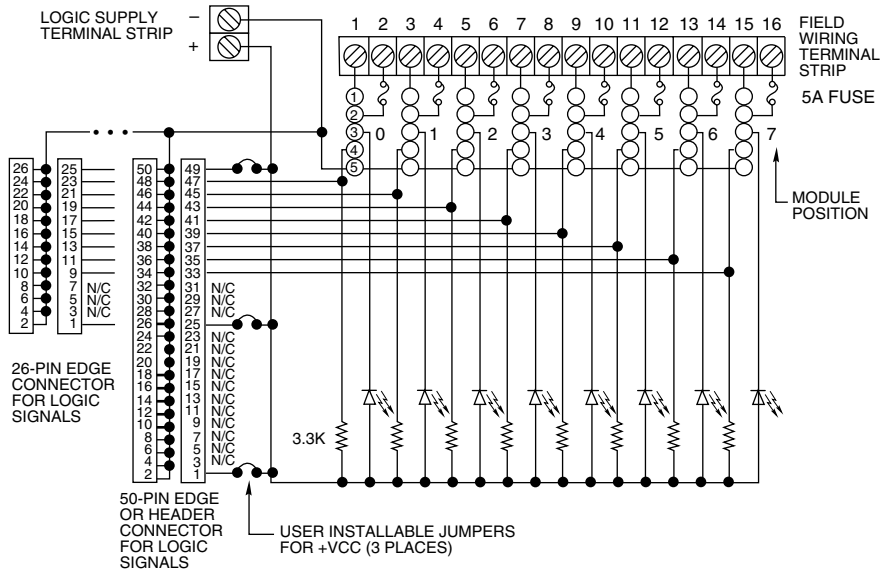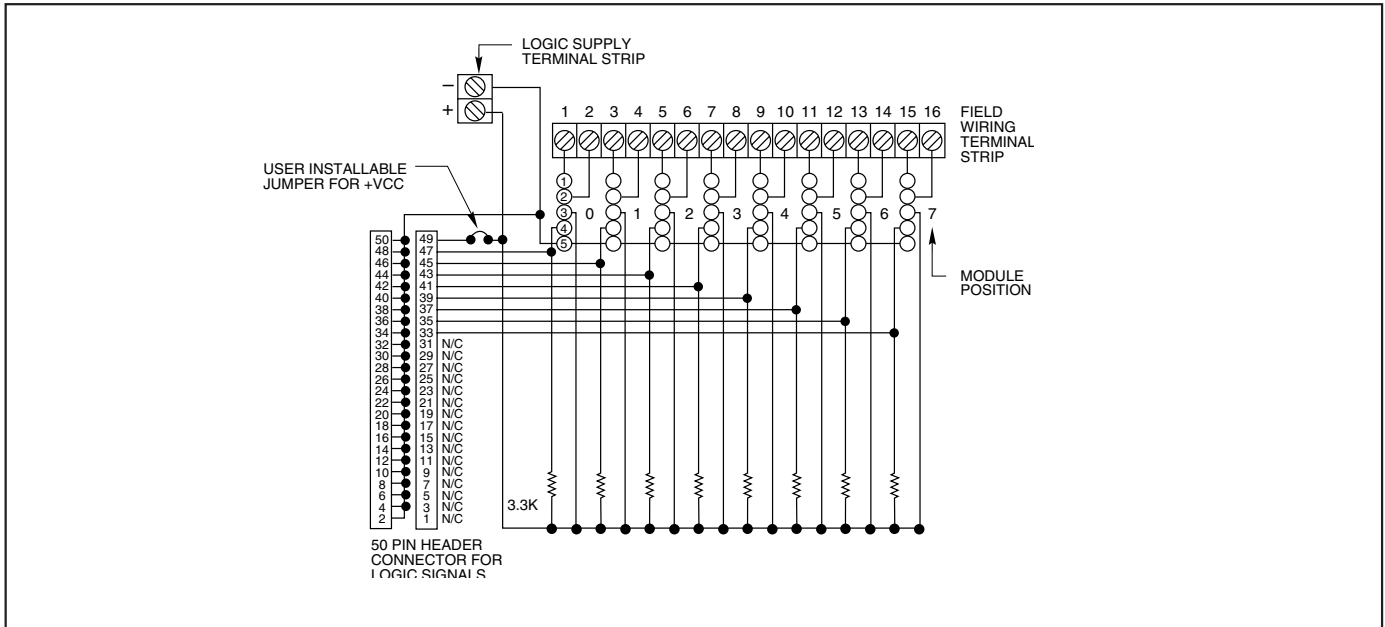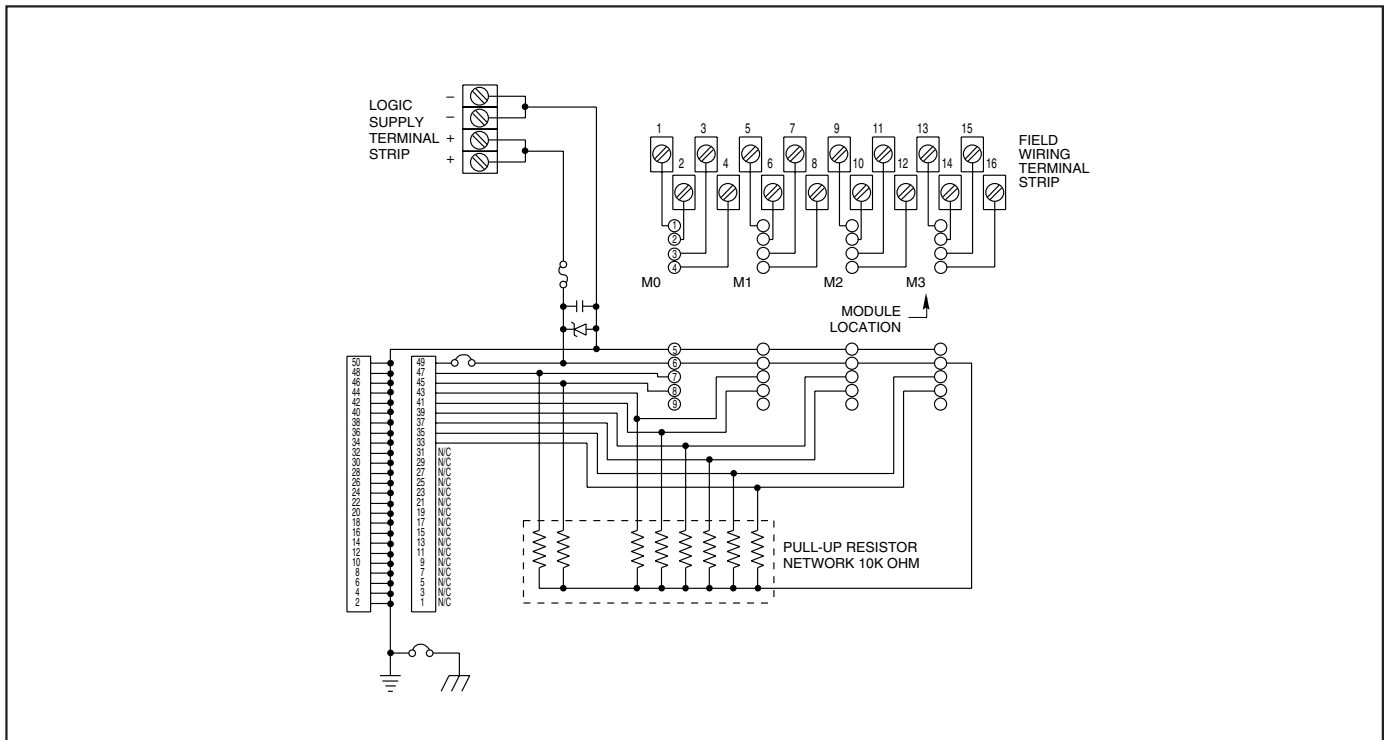All tolerances are ± 0.010 (0,25) unless otherwise specified.

.24 (6.05)

.25 (6.35)

3.5 (88.90)

3.0 (76.20)

M0   M1   M2   M3

50-PIN STRAIGHT HEADER CONNECTOR

REMOVABLE JUMPER CONNNECTS GND TO PLATED HOLE FOR GROUNDING

3.8 (96.52)

4.3 (108.46)

3.15A FUSE

PIN 1

FIELD WIRING TERMINAL STRIP

STANDOFF I.D. 0.15 (3.81) DIA. (4 PLACES) CLEARANCE FOR #6 SCREW

NOTE: MAXIMUM TERMINAL SCREW TORQUE NOT TO EXCEED 5 IN-LBS.

LOGIC SUPPLY TERMINAL STRIP
TOP ROW: + LOGIC SUPPLY
BOTTOM ROW: GND

+5   +5

1   3   5   7   9   11   13   15

2   4   6   8   10   12   14   16

3.4 (85.93) MAX

.75 (19.05) REF

SCHEMATIC: Part Nos. 70RCK8, 70MRCK8

LOGIC SUPPLY TERMINAL STRIP

−

+

1   2   3   4   5   6   7   8   9   10   11   12   13   14   15   16

FIELD WIRING TERMINAL STRIP

5A FUSE

1
2
3
4
5

0   1   2   3   4   5   6   7

MODULE POSITION

26-PIN EDGE CONNECTOR FOR LOGIC SIGNALS

50-PIN EDGE OR HEADER CONNECTOR FOR LOGIC SIGNALS

3.3K

USER INSTALLABLE JUMPERS FOR +VCC (3 PLACES)

SCHEMATIC: Part No. 70GRCK8

SCHEMATIC: Part No. 70LRCK8

ORDERING INFORMATION (modules ordered separately)

Part Number	I/O	Description	UL	CSA	Style
70RCK8	8	Card edge	X	X	Standard
70RCK8-HL	8	50-pin header with ejector levers	X	X	Standard
70MRCK8-EC	8	Card edge	X	X	Mini
70MRCK8-HL	8	50-pin header with ejector levers	X	X	Mini
70GRCK8-HL	8	50-pin header with ejector levers	X	X	G5
70LRCK8-HL	8	50-pin header with ejector levers	Pend	Pend	OpenLine®
70LRCK8-DIN	8	50-pin header with DIN rail mount	Pend	Pend	OpenLine®

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

System 50
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