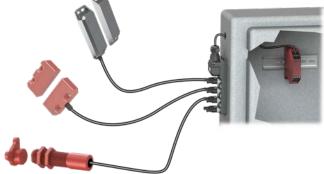
1-800-633-0405 **M12 Connection Box** For Use With Magnetic and RFID Coded **Non-Contact Switches**





Features

- · Allows you to connect up to eight switches in series to a single safety controller
- · Configured for dual channel to a safety controller
- · Shorting plugs must be inserted into all unused ports
- M20 conduit exit; M20 cable gland accepts cable OD 6.5-12.0 mm [0.26-0.47 in]

| IDEM Junction Block Selection Chart | | | | | | |
|---|----------|--|-------|-------------------|--|------------|
| Part Number | Price | Description | Ports | Input Connections | Output Connection | Indicators |
| For use with IDEM coded and RFID switches only: | | | | | | |
| <u>140210</u> | \$177.00 | IDEM junction block for use with IDEM coded and RFID switches only | 8 | 8-pin M12 sockets | Cable clamp for field- wired connection | 24VDC LED |
| <u>140207</u> | \$31.00 | Shorting plug, 8 pole, for use with IDEM coded and RFID connection blocks | - | - | - | - |
| For use with IDEM magnetic switches only: | | | | | | |
| <u>140213</u> | \$177.00 | IDEM junction block for use with IDEM magnetic switches only | 8 | 8-pin M12 sockets | Cable clamp for field- wired connection | 24VDC LED |
| <u>140209</u> | \$31.00 | Shorting plug, 8-pole, for use with IDEM magnetic connection blocks | _ | _ | _ | _ |

NOTE: The appropriate shorting plug must be inserted into all unused ports.

| IDEM Junction Block Accessories Selection Chart | | | | | | |
|---|---------|------------------|--|----------------|-----------------|--|
| Part Number | Price | Description | Connection | Length | Cable Jacket | |
| <u>140201</u> | \$41.00 | Connection cable | 8-pole M12 axial female to 8-pole M12 axial male | 2m [6.56 ft] | Black PVC | |
| <u>140202</u> | \$51.00 | Connection cable | 8-pole M12 axial female to 8-pole M12 axial male | 5m [16.40 ft] | Black PVC | |
| <u>140203</u> | \$62.00 | Connection cable | 8-pole M12 axial female to 8-pole M12 axial male | 10m [32.81 ft] | Black PVC | |





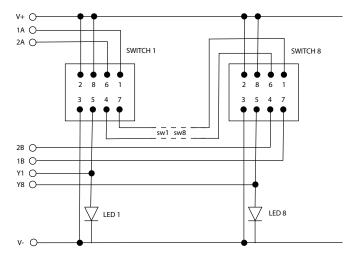


140207

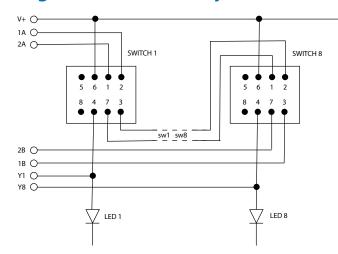
1-800-633-0405 M12 Connection Box For Use With Magnetic and RFID Coded Non-Contact Switches

| M12 Connection Box Specifications | | | | |
|-----------------------------------|---|--|--|--|
| Port Connection Type | 8x8 pin M12 female sockets | | | |
| Operating Temperature | -20 to +40°C [-4 to +104°F] | | | |
| Supply Voltage | 24VDC ±10% | | | |
| Maximum Current | 500mA | | | |
| Body Material | Polyester | | | |
| Internal Terminals | Screw type clamp for 16-30 AWG conductors | | | |
| Cable Exit | M20 x 1.5 mm cable gland (M20 cable gland accepts cable OD 6.5 mm to 12.0 mm [0.26 in to 0.47 in] | | | |
| Mounting | 2xM4 bolds, 4.6 mm [0.18 in] diameter clearance holes | | | |
| Accessory | Shorting plug for unused ports | | | |
| LEDs (1-8) | Red, auxiliary indication of switch open | | | |

Connections (140210) for Coded and RFID Switches Only



Connections (<u>140213</u>) for Magnetic Switches Only

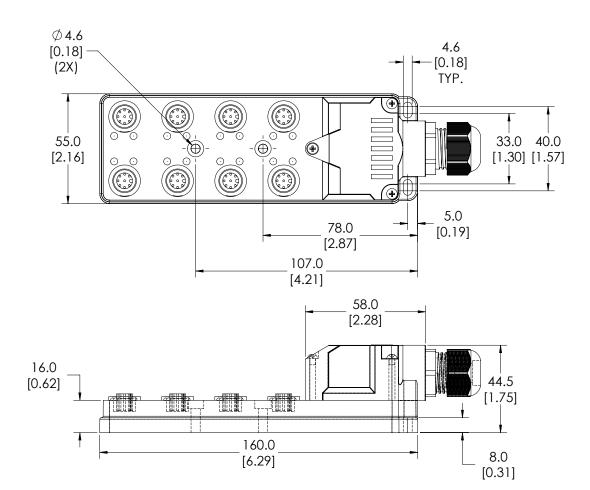


| Output Terminal Connections | | | | | |
|-----------------------------|---|---------------|------------|--|--|
| Terminal | Output | Indication | LED Status | | |
| Y1 | Auxiliary out +24VDC | Switch 1 open | LED 1 on | | |
| Y2 | Auxiliary out +24VDC | Switch 2 open | LED 2 on | | |
| Y3 | Auxiliary out +24VDC | Switch 3 open | LED 3 on | | |
| Y4 | Auxiliary out +24VDC | Switch 4 open | LED 4 on | | |
| Y5 | Auxiliary out +24VDC | Switch 5 open | LED 5 on | | |
| Y6 | Auxiliary out +24VDC | Switch 6 open | LED 6 on | | |
| Y7 | Auxiliary out +24VDC | Switch 7 open | LED 7 on | | |
| Y8 | Auxiliary out +24VDC | Switch 8 open | LED 8 on | | |
| 2A | NC2 closed when all switches are closed (series connection) | | | | |
| 2B | | | | | |
| 1A | NC1 closed when all switches are closed (series connection) | | | | |
| 1B | | | | | |
| V+ | Supply +24VDC | | | | |
| V- | Supply 0VDC | | | | |

M12 Connection Box For Use With Magnetic and RFID Coded Non-Contact Switches

Dimensions

mm [in]



See our website www.AutomationDirect.com for complete engineering drawings.