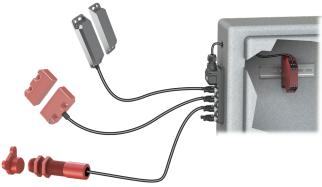
**M12 Connection Box** 

For Use With Magnetic and RFID Coded







### **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:						
140210	\$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
140209	\$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	
140201	\$41.00	Connection cable	8-pole M12 axial female to 8-pole M12 axial male	2m [6.56 ft]	Black PVC	
140202	\$51.00	Connection cable	8-pole M12 axial female to 8-pole M12 axial male	5m [16.40 ft]	Black PVC	
140203	\$62.00	Connection cable	8-pole M12 axial female to 8-pole M12 axial male	10m [32.81 ft]	Black PVC	



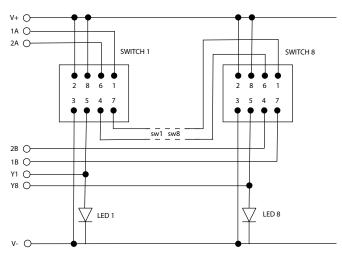


140207

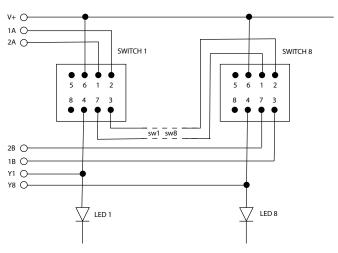
# M12 Connection Box For Use With Magnetic and RFID Coded Non-Contact Switches

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]

