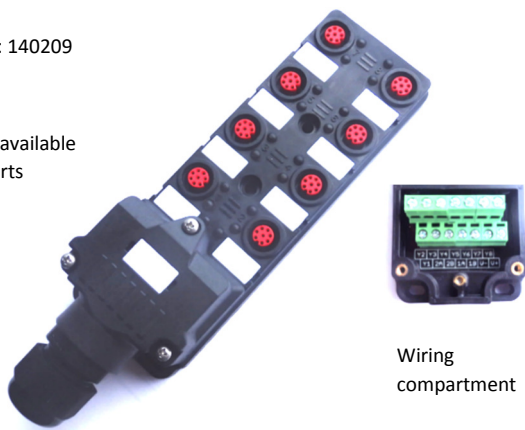


Part Number: 140209



Shorting plug available for unused ports

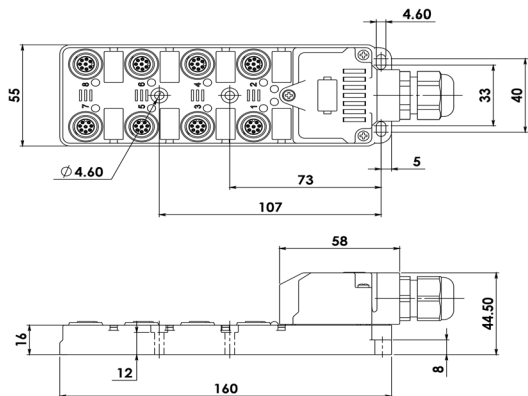
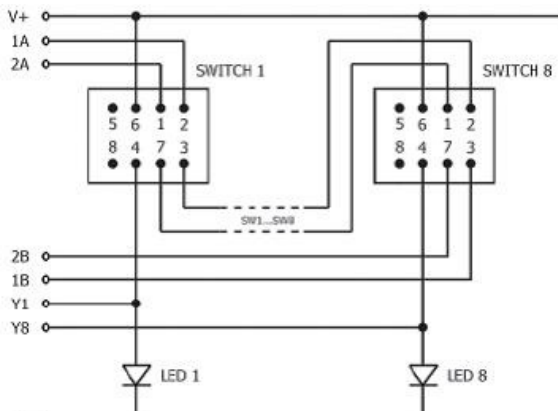


Wiring compartment

For use with 8 pin M12 Quick Connect version switches with the following circuits:

Switch Quick Connect (QC)	Circuit	
M12 8 way Male plug (Pin view from switch)	(Actuator present)	
	8	Not used
	5	Not used
	4	Auxiliary (NO)
	6	Auxiliary (NO)
	7	NC 2
	1	NC 2
	2	NC 1
	3	NC 1

All NC1 connected in series, All NC2 connected in series.



**Features:**

- Connect up to 8 switches in series to one safety controller.
- Configured for dual circuit to a safety controller.
- Unused ports can be plugged.
- M20 conduit exit (M20 Cable gland accepts cable O.D. 6.5 – 12.0mm).

**Specification:**

- Port connection type: 8 x 8 Pin M12 Female sockets
- Ambient temperature: -20C. to 40C.
- Supply Voltage: 24V.dc (+/- 10%).
- Maximum current: 500mA
- Body Material: Polyester
- Internal Terminals: Screw type – clamp 16-30AWG conductors
- Cable exit: M20 cable gland
- Mounting: 2 x M4 bolts (4.6mm dia. clearance holes)
- Accessory: Shorting plug for unused ports.
- LED's**
- LED 1-8 (Red) Auxiliary indication of switch open

Terminal	Function		
Y1	Auxiliary out +24V.dc	Switch 1 open	LED 1 on
Y2	Auxiliary out +24V.dc	Switch 2 open	LED 2 on
Y3	Auxiliary out +24V.dc	Switch 3 open	LED 3 on
Y4	Auxiliary out +24V.dc	Switch 4 open	LED 4 on
Y5	Auxiliary out +24V.dc	Switch 5 open	LED 5 on
Y6	Auxiliary out +24V.dc	Switch 6 open	LED 6 on
Y7	Auxiliary out +24V.dc	Switch 7 open	LED 7 on
Y8	Auxiliary out +24V.dc	Switch 8 open	LED 8 on
2A	NC 2 Closed when all switches are closed (series connection)		
2B			
1A	NC 1 Closed when all switches are closed (series connection)		
1B			
V +	Supply +24V.dc		
V -	Supply 0V.dc		

**Information with regard to UL 508:**

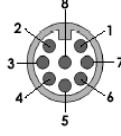
Type 1 Enclosures.  
 Maximum temperature 40°C. Maximum current 500mA. Powered by Class 2 or equivalent.  
 Terminals 16-30AWG conductors. Terminal Torque 6 lb-ins. (0.7Nm).  
 Polymeric conduit or gland connection only.

For use with IDEM (Non-Contact Coded switches only)

**WARNING: DO NOT DEFEAT, TAMPER, OR BYPASS THE SAFETY FUNCTION. FAILURE TO DO SO CAN RESULT IN DEATH OR SERIOUS INJURY.**  
**AVERTISSMENT: NE PAS DESACTIVER, MODIFIER, RETIRER, OU CONTOURNER CETI INTERVERROUILLAGE IL PEUT EN RESULTER DES**



**Type CB (Part 140214) fitted with M12 8 way Quick Connect on 250mm Flying Lead**

Pin	Function	<p>Pin view from box</p> <p>M12 Male 8 way on Flying Lead 250mm</p> 
5	Auxiliary out +24V.dc Any switch open	
4	NC 2 Closed when all switches are closed (series connection)	
6		
7	NC 1 Closed when all switches are closed (series connection)	
1		
2	Supply +24V.dc	
3	Supply 0V.dc	
8	Not used	

**Type CB (Part 140215) pre-wired 5m. 14 core**

Terminal	Function	<p>Cable OD 8.5mm</p> <p>Conductors 0.34 sq.mm</p> <p>Conductor colours</p>
Y1	Auxiliary out +24V.dc Switch 1 open LED 1 on	Pink
Y2	Auxiliary out +24V.dc Switch 2 open LED 2 on	Brown/Green
Y3	Auxiliary out +24V.dc Switch 3 open LED 3 on	White/Green
Y4	Auxiliary out +24V.dc Switch 4 open LED 4 on	Grey
Y5	Auxiliary out +24V.dc Switch 5 open LED 5 on	Red/Blue
Y6	Auxiliary out +24V.dc Switch 6 open LED 6 on	Brown
Y7	Auxiliary out +24V.dc Switch 7 open LED 7 on	Violet
Y8	Auxiliary out +24V.dc Switch 8 open LED 8 on	Grey/Pink
2A	NC 2 Closed when all switches are closed (series connection)	Black
2B		White
1A	NC 1 Closed when all switches are closed (series connection)	Yellow
1B		Green
V +	Supply +24V.dc	Red
V -	Supply 0V.dc	Blue