

8-Pin M12 Connection Box for RFID and Coded Non Contact

FEATURES:



FOR USE WITH 8 PIN M12 RFID & CODED NON CONTACT SWITCHES

Connect up to 8 switches in series to one safety controller.

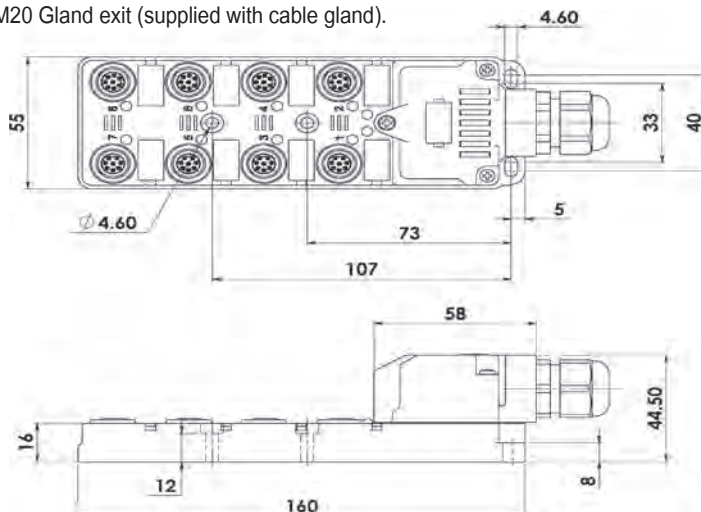
Configured for dual circuit to a safety controller.

LED status of circuits

Unused ports can be plugged.

Screw clamp terminals.

M20 Gland exit (supplied with cable gland).



For use with switches with the following pin out:

Quick Connect QC M12 8 Way Male Plug	Flying Lead Colour	Circuit (Actuator Present)	Output Types Solid State
8	Orange	Auxiliary NO or NC	200mA Max. 24Vdc
5	Brown	Auxiliary NO or NC	
4	Yellow	Safety NC2	200mA Max. 24Vdc
6	Green	Safety NC2	
7	Black	Safety NC1	200mA Max. 24Vdc
1	White	Safety NC1	
2	Red	Supply +24Vdc	Supply 24Vdc +/- 10%
3	Blue	Supply 0Vdc	

SPECIFICATIONS:

General Specifications:

Switch connection type:	8 x 8 Pin M12 Female sockets
Ambient temperature:	-20C. to 40C
Supply Voltage:	24V.d.c (+/- 10%)
Maximum current:	500mA
Body Material:	Polyester
Terminals:	Screw type – clamp 16-28AWG conductors
Cable exit:	M20 cable gland (connector options available)
Mounting:	4 x M4 bolts

LEDs:

LED 1-8 (Red): Auxiliary indication of switch open

SCREW TERMINAL VERSION (M20 Gland Exit)

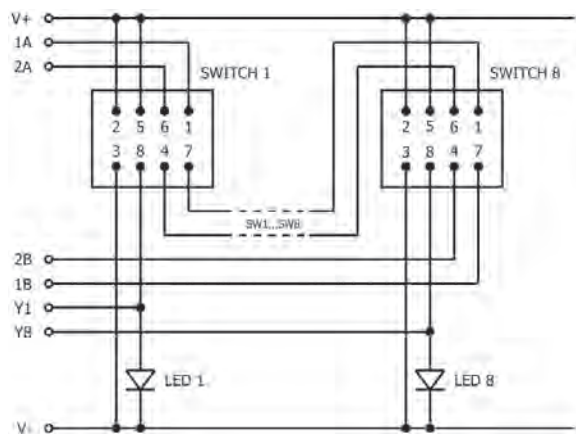
Terminal	Connection
Y1	Auxiliary out +24V.d.c Switch 1 open RED LED 1 on
Y2	Auxiliary out +24V.d.c Switch 2 open RED LED 2 on
Y3	Auxiliary out +24V.d.c Switch 3 open RED LED 3 on
Y4	Auxiliary out +24V.d.c Switch 4 open RED LED 4 on
Y5	Auxiliary out +24V.d.c Switch 5 open RED LED 5 on
Y6	Auxiliary out +24V.d.c Switch 6 open RED LED 6 on
Y7	Auxiliary out +24V.d.c Switch 7 open RED LED 7 on
Y8	Auxiliary out +24V.d.c Switch 8 open RED LED 8 on
2A	NC 2 Closed when all switches are closed
2B	NC 2 Closed when all switches are closed
1A	NC 1 Closed when all switches are closed
1B	NC 1 Closed when all switches are closed
V +	Supply +24Vdc
V -	Supply 0Vdc

M12 CONNECTOR VERSION

Quick Connect M12 8 Way Male Plug on 250mm (10") Flying Lead	Pin view from Block
5	Auxiliary +24Vdc Out when any switch is open
4	NC 2 Closed when all switches are closed
6	NC 2 Closed when all switches are closed
7	NC 1 Closed when all switches are closed
1	NC 1 Closed when all switches are closed
2	Supply +24Vdc
3	Supply 0Vdc
8	Not in use

PRE-WIRED VERSION (5m cable length)

Terminal	PVC Cable 9mm diameter	Conductor
Y1	Auxiliary Out +24Vdc Switch 1 Open	Pink
Y2	Auxiliary Out +24Vdc Switch 2 Open	Brown/Green
Y3	Auxiliary Out +24Vdc Switch 3 Open	White/Green
Y4	Auxiliary Out +24Vdc Switch 4 Open	Grey
Y5	Auxiliary Out +24Vdc Switch 5 Open	Red/Blue
Y6	Auxiliary Out +24Vdc Switch 6 Open	Brown
Y7	Auxiliary Out +24Vdc Switch 7 Open	Violet
Y8	Auxiliary Out +24Vdc Switch 8 Open	Grey/Pink
2A	NC2 Closed when all switches closed	Black
2B	NC2 Closed when all switches closed	White
1A	NC1 Closed when all switches closed	Yellow
1B	NC1 Closed when all switches closed	Green
V +	Supply +24Vdc	Red
V -	Supply 0Vdc	Blue



ORDERING:

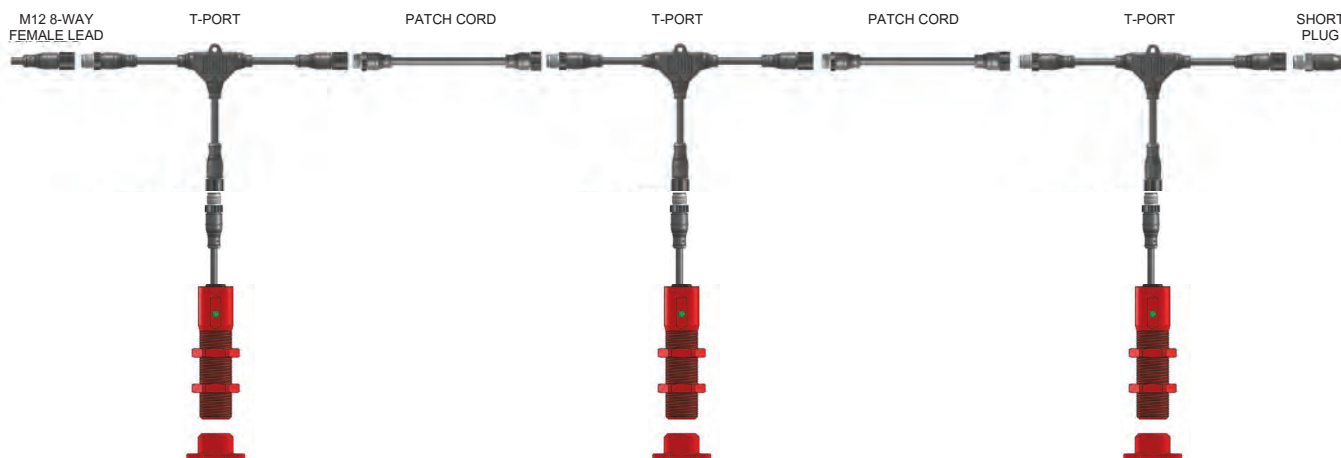


Sales Number	Accessories and Description
140201	Patch Cord M12 Male to Female 2m
140202	Patch Cord M12 Male to Female 5m
140203	Patch Cord M12 Male to Female 10m
140207	Short Plug for Coded Non Contact Switches

Sales Number	NON CONTACT RFID & CODED SWITCHES CONNECTION BOX
140210	Connection Box (Non-Contact RFID and Coded Switches) – Screw terminal
140211	Connection Box (Non-Contact RFID and Coded Switches) – M12 8 way Male
140212	Connection Box (Non-Contact RFID and Coded Switches) – pre-wired 14 core (5m)

T-Port Connectivity for RFID and Coded Non Contact

PLUGGABLE SYSTEM M12 8-WAY CONNECTORS:



PLUGGABLE SYSTEM M12 8-WAY CONNECTORS FOR CODED NON CONTACT SWITCHES:

SUITABLE FOR THE FOLLOWING SWITCHES:

Plastic Housings:

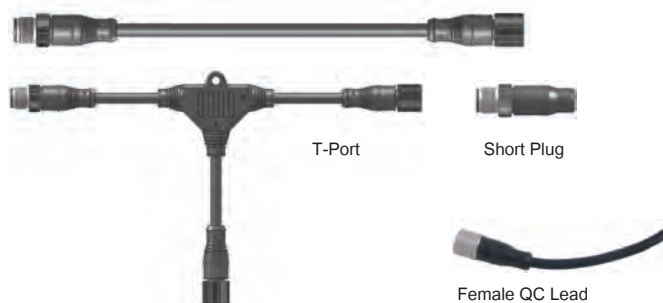
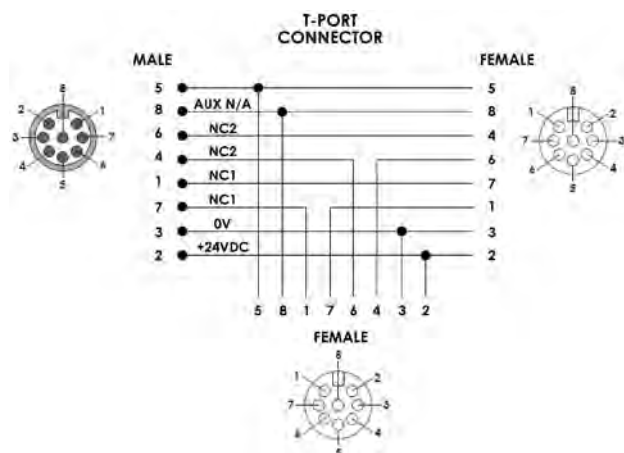
MPC, SPC, LPC, CPC, WPC, RPC, KPC, SPF, LPF, KPF
BPF

Stainless Steel 316 Housings:

SMC, CMC, LMC, WMC, SMC-F, CMC-F,
RMC, SMC-H, MMC-H, LMF, BMF, SMF-H

Quick Connect QC M12 8 Way Male Plug Pin view from Switch	Circuit (Actuator Present)	Output Types Solid State
8	Auxiliary NO or NC	200mA Max. 24Vdc
5	Auxiliary NO or NC	
4	Safety NC2 +ve	200mA Max. 24Vdc
6	Safety NC2 -ve	
7	Safety NC1 +ve	200mA Max. 24Vdc
1	Safety NC1 -ve	
2	Supply +24Vdc	Supply 24Vdc +/- 10%
3	Supply 0Vdc	

Patch Cord: Available in 2m, 5m or 10m lengths



Sales Number	Description
140101	M12 8 Way Female QC Lead 5m
140102	M12 8 Way Female QC Lead 10m
140201	Patch Cord M12 Male to Female 2m
140202	Patch Cord M12 Male to Female 5m
140203	Patch Cord M12 Male to Female 10m
140206	T Port for Coded Non Contact Switches
140207	Short Plug for Coded Non Contact Switches