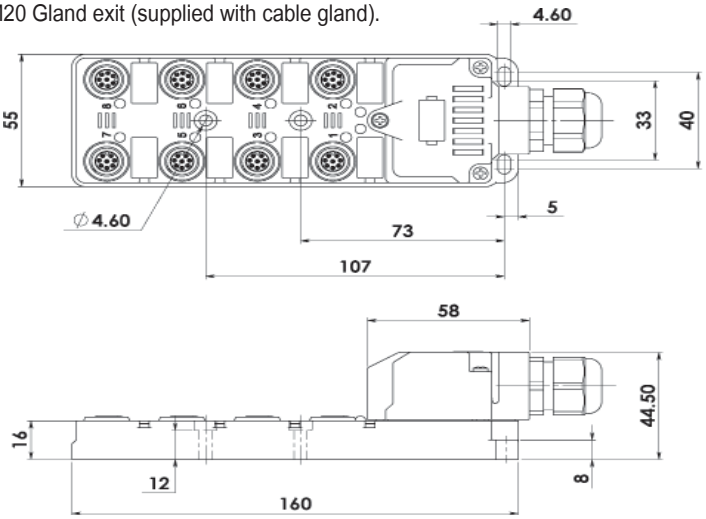
8-Pin M12 Connection Box for **RFID and Coded Non Contact**

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.dc (+/- 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

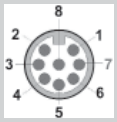
LEDs:

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

SCREW TERMINAL VERSION (M20 Gland Exit)

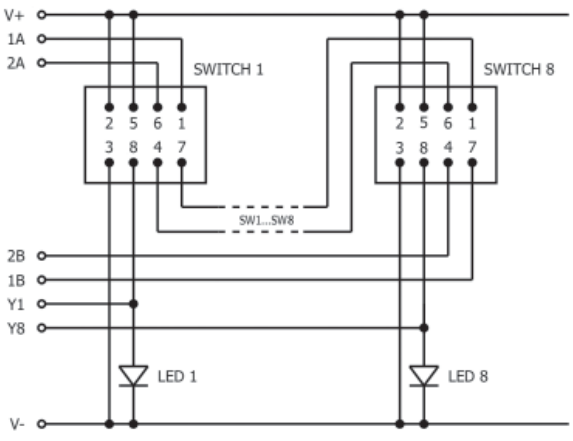
Terminal	Connection
Y1	Auxiliary out +24V.dc Switch 1 open RED LED 1 on
Y2	Auxiliary out +24V.dc Switch 2 open RED LED 2 on
Y3	Auxiliary out +24V.dc Switch 3 open RED LED 3 on
Y4	Auxiliary out +24V.dc Switch 4 open RED LED 4 on
Y5	Auxiliary out +24V.dc Switch 5 open RED LED 5 on
Y6	Auxiliary out +24V.dc Switch 6 open RED LED 6 on
Y7	Auxiliary out +24V.dc Switch 7 open RED LED 7 on
Y8	Auxiliary out +24V.dc Switch 8 open RED LED 8 on
2A	NC 2 Closed when all switches are closed
2B	
1A	NC 1 Closed when all switches are closed
1B	
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	
7	NC 1 Closed when all switches are closed
1	
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		White
1A	NC1 Closed when all switches closed	Yellow
1B		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
140205	**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)

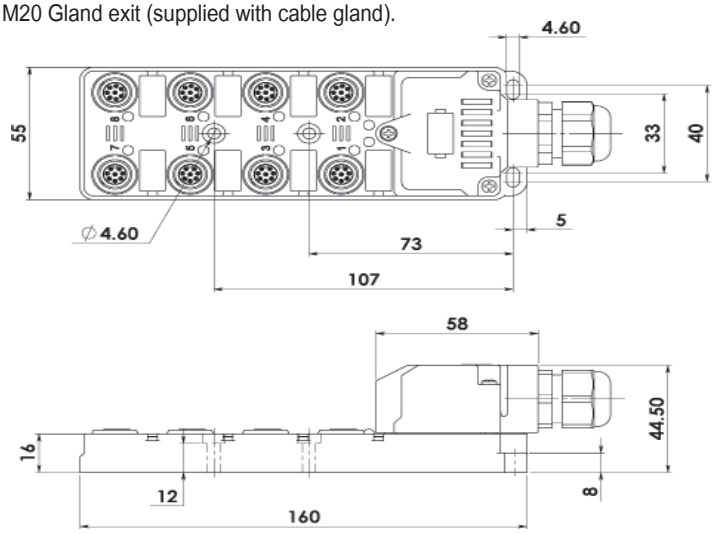
8-Pin M12 Connection Box for **Magnetic Non Contact**

FEATURES:



FOR USE WITH 8 PIN M12 MAGNETIC 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).



SPECIFICATIONS:

General Specifications:

Switch 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
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

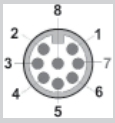
For use with switches with the following pin out:

Quick Connect QC M12 8 Way Male Plug	Standard Lead Colour	Circuit (Actuator Present)
4	Yellow	NO
6	Green	NO
7	Black	NC2
1	White	NC2
2	Red	NC1
3	Blue	NC1

SCREW TERMINAL VERSION (M20 Gland Exit)

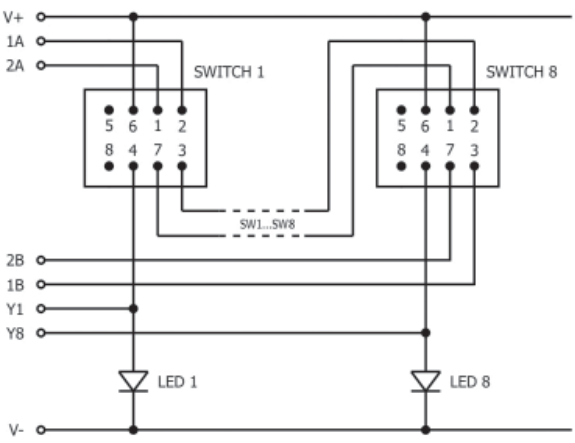
Terminal	Connection
Y1	Auxiliary out +24V.dc Switch 1 open RED LED 1 on
Y2	Auxiliary out +24V.dc Switch 2 open RED LED 2 on
Y3	Auxiliary out +24V.dc Switch 3 open RED LED 3 on
Y4	Auxiliary out +24V.dc Switch 4 open RED LED 4 on
Y5	Auxiliary out +24V.dc Switch 5 open RED LED 5 on
Y6	Auxiliary out +24V.dc Switch 6 open RED LED 6 on
Y7	Auxiliary out +24V.dc Switch 7 open RED LED 7 on
Y8	Auxiliary out +24V.dc Switch 8 open RED LED 8 on
2A	NC 2 Closed when all switches are closed
2B	
1A	NC 1 Closed when all switches are closed
1B	
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	
7	NC 1 Closed when all switches are closed
1	
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		White
1A	NC1 Closed when all switches closed	Yellow
1B		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
140209	**Short Plug for Magnetic Non Contact Switches**

Sales Number	MAGNETIC NON CONTACT SWITCHES CONNECTION BOX
140213	Connection Box (Magnetic Non-Contact Switches) – Screw terminal
140214	Connection Box (Magnetic Non-Contact Switches) – M12 8 way Male
140215	Connection Box (Magnetic Non-Contact Switches) – pre-wired 14 core (5m)