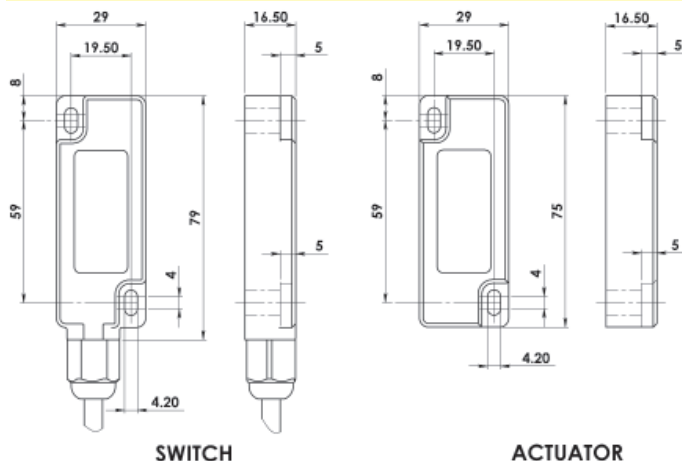


RFID Coded Non Contact Type: WPF

FEATURES:

Designed with a slim fitting making it suitable for all industry applications
Wide 14mm sensing with high tolerance to misalignment
High specification and durable polyester housing
Wide 14mm sensing with high tolerance to misalignment
LED indication - no moving parts - survives shock and vibration
Up to: PLe ISO13849-1
2NC 1NO circuits - high switching life - no moving parts
Quick Connect versions available

DIMENSIONS:



Coded Magnetic Actuation
Switching Tolerance up to 14mm
Will operate with most Safety Relays

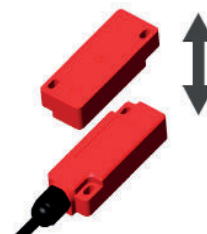


IP69K

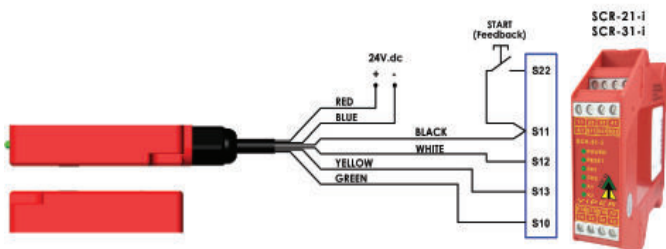


Quick Connect M12
versions fitted with
250mm (10") cable

OPERATING DIRECTION:



CONNECTION EXAMPLE



One switch connected to an SCR-21-i or SCR-31-i to give Dual Channel monitoring with manual start and contactor feedback check.



Standards: ISO14119 EN60947-5-3 EN60204-1 ISO13849-1 EN62061 UL508

Safety Classification and Reliability Data:

Minimum switched current: 10V.dc 1mA
Dielectric Withstand: 250V.ac
Insulation Resistance: 100 Mohms
Recommended setting gap: 5mm
Switching Distance: Sao 10mm Close Sar 20mm Open
Tolerance to Misalignment: 5mm in any direction from 5mm setting gap
Switching frequency: 1.0 Hz maximum
Approach speed: 200mm/m to 1000mm/s
Body material: Polyester
Temperature Range: -25/55C
Enclosure Protection: IP67/IP69K
Cable Type: PVC 6 or 8 core 6mm OD Conductors 0.25mm²
Mounting Bolts: 2 x M4 Tightening torque 1.0 Nm
Mounting Position: Any

Characteristic Data according to IEC62061 (used as a sub system):

Safety Integrity Level SIL3
PFH (1/h) 4.77E-10 Corresponds to 4.8% of SIL3
PFD 4.18E-05 Corresponds to 4.2% of SIL3
Proof Test Interval T₁ 20a

Characteristic Data according to EN ISO13849-1:

Performance Level e If both channels are used in combination with a SIL3/PLc control device
Category Cat4
MTTFd 1100a
Diagnostic Coverage DC 99% (high)
Number of operating days per year: d_{op} = 365d
Number of operating hours per day: h_{op} = 24h
B10d not mechanical parts implemented

When the product is used deviant from these assumptions (different load, operating frequency, etc.) the values have to be adjusted accordingly.

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

SALES NUMBER	MASTER CODED (same code every switch)	CABLE LENGTH
407101	WPF-M-RFID	2M
407102	WPF-M-RFID	5M
407103	WPF-M-RFID	10M
407104	WPF-M-RFID	QC-M12
407201	Replacement Actuator Master Coded	

SALES NUMBER	UNIQUELY CODED (every switch unique activation)	CABLE LENGTH
407001	WPF-U-RFID	2M
407002	WPF-U-RFID	5M
407003	WPF-U-RFID	10M
407004	WPF-U-RFID	QC-M12

For all IDEM switches the normally closed (NC) circuits are closed when the guard is closed and the actuator is present.



140101	Female QC Lead	M12 Female 5m. 8 way
140102	Female QC Lead	M12 Female 10m. 8 way