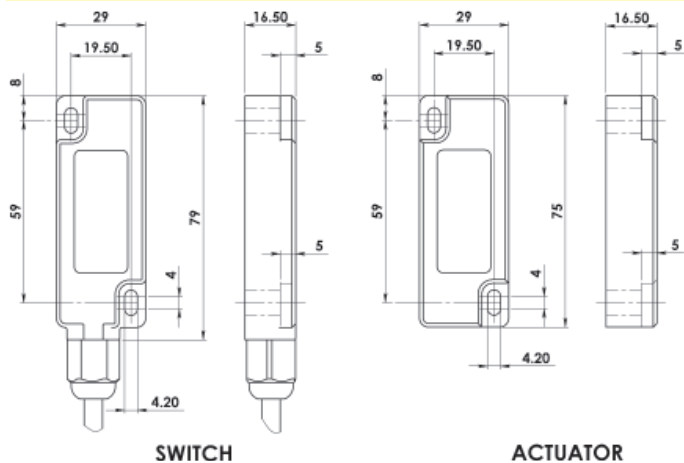


# RFID Coded Non Contact Type: WPF

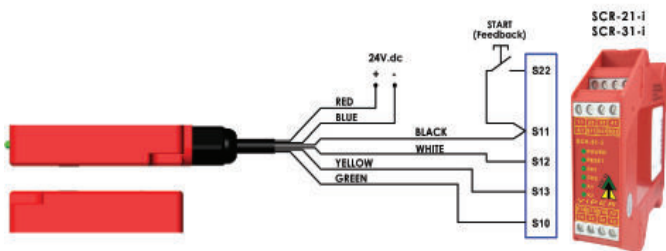
## FEATURES:

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

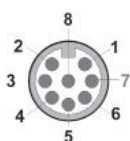
## DIMENSIONS:



## 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.



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	200mA Max. 24Vdc
4	Yellow	Safety NC2	200mA Max. 24Vdc
6	Green	Safety NC2	200mA Max. 24Vdc
7	Black	Safety NC1	200mA Max. 24Vdc
1	White	Safety NC1	200mA Max. 24Vdc
2	Red	Supply +24Vdc	Supply 24Vdc +/- 10%
3	Blue	Supply 0Vdc	

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

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

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

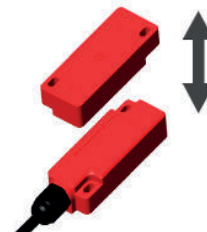


IP69K



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

## OPERATING DIRECTION:



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 8mm 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 0.25mm<sup>2</sup>  
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 T<sub>1</sub> 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<sub>op</sub> = 365d  
Number of operating hours per day: h<sub>op</sub> = 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.

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



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