

# IDECODE - Coded Non Contact Type: WPC

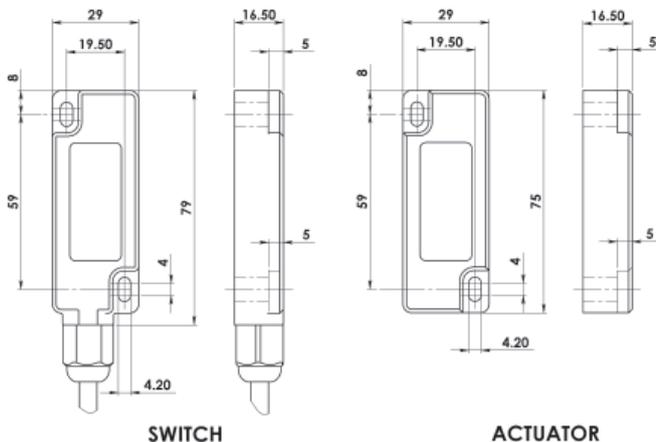
## FEATURES:

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

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



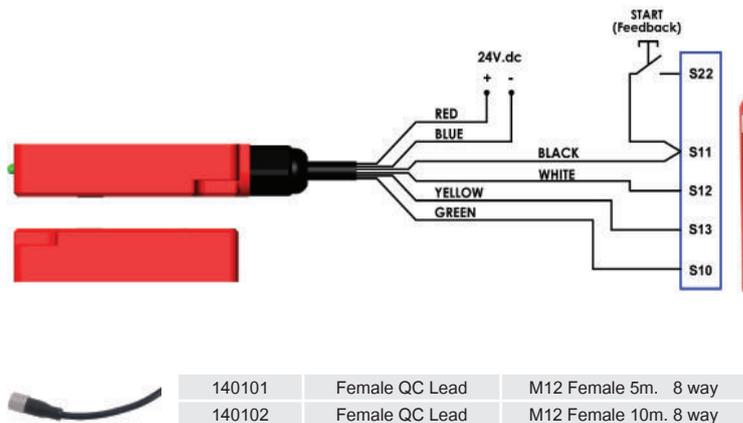
## DIMENSIONS:



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



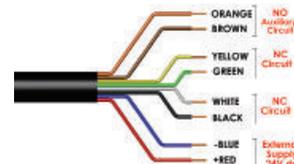
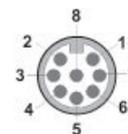
## CONNECTION EXAMPLE: CODED SWITCH



SCR-21-i  
 SCR-31-i



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



### Safety Classification and Reliability Data:

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

ISO13849-1 Up to PLe Category 4  
 EN62061 Up to SIL3  
 PFHd  $8.71 \times 10^{-11}$   
 Proof Test Interval (Life) 20 years  
 MTTFd 866 years  
 Safety Channel 1 NC 24Vdc 0.2A Max. Rating  
 Safety Channel 2 NC 24Vdc 0.2A Max. Rating  
 Safety Channel 3 NO 24Vdc 0.2A Max. Rating  
 Minimum Switched Current 10Vdc 1mA  
 Dielectric Withstand 250Vac  
 Insulation Resistance 100 Mohms  
 Recommended Setting Gap 5mm  
 Switching Distance Sao 10mm Close  
 (Target to Target) Sar 20mm Open  
 Tolerance to Misalignment 5mm in any direction from 5mm setting gap  
 Switching Frequency 1.0Hz maximum  
 Approach Speed 200mm/min to 1000mm/sec  
 Body Material UL approved polyester  
 Operating Temperature -25C +80C  
 Enclosure Protection IP69K IP67  
 Shock Resistance IEC68-2-27 11ms 30g  
 Vibration Resistance IEC68-2-6 10-55Hz 1mm  
 Cable Type PVC 6 or 8 core 6mm OD Conductors 0.25mm<sup>2</sup>  
 Mounting Bolts 2xM4 Tightening torque 1.0Nm  
 Mounting Position Any

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 or NC	200mA Max. 24Vdc
5	Brown	Auxiliary NO or NC	
4	Yellow	Safety NC2 +ve	200mA Max. 24Vdc
6	Green	Safety NC2 -ve	
7	Black	Safety NC1 +ve	200mA Max. 24Vdc
1	White	Safety NC1 -ve	
2	Red	Supply +24Vdc	Supply 24Vdc +/- 10%
3	Blue	Supply 0Vdc	

SALES NUMBER	TYPE	CABLE LENGTH	CIRCUITS
112013	Idecode WPC	2M	2NC
112014	Idecode WPC	5M	2NC
112015	Idecode WPC	10M	2NC
112016	Idecode WPC	QC-M12	2NC
112017	Idecode WPC	2M	2NC 1NO
112018	Idecode WPC	5M	2NC 1NO
112019	Idecode WPC	10M	2NC 1NO
112020	Idecode WPC	QC-M12	2NC 1NO
112105	Idecode WPC	2M	3NC
112106	Idecode WPC	5M	3NC
112107	Idecode WPC	10M	3NC
112108	Idecode WPC	QC-M12	3NC

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

AVAILABLE WITHOUT LED IF REQUIRED.