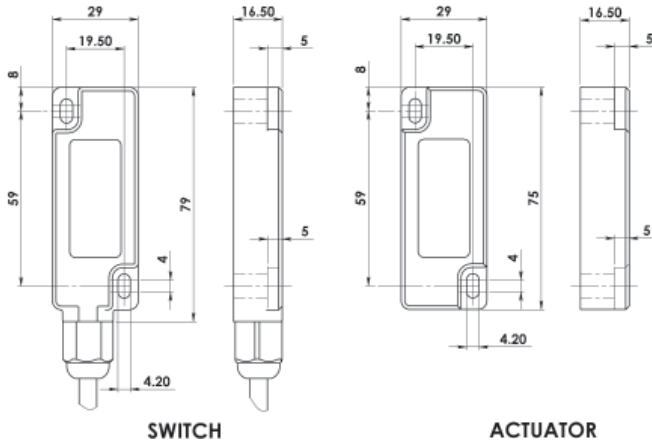


# IDECODE - Coded Non Contact Type: WPC

## 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

## DIMENSIONS:



SWITCH

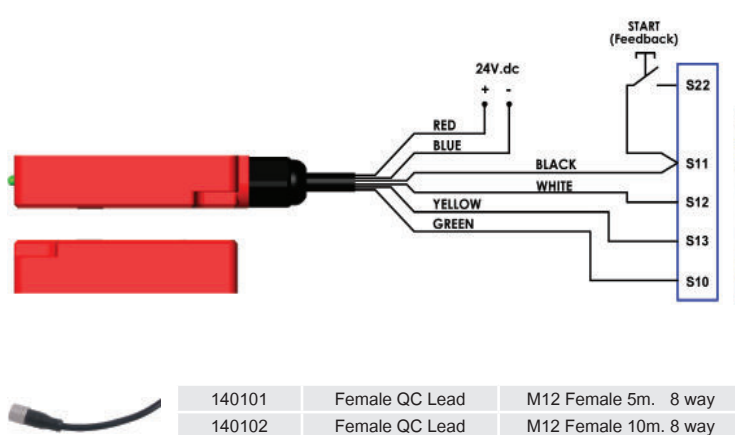
ACTUATOR

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



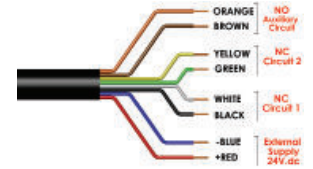
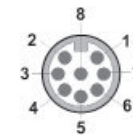
Quick Connect M12 versions fitted with 250mm (10") cable

## 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.



**Standards:** ISO14119 EN60947-5-1  
 EN62024-1 ISO13849-1 EN62061 UL508

### Safety Classification and Reliability Data:

ISO13849-1	Up to PLe Category 4
PFHd	2.6 x 10 <sup>-10</sup>
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 (Target to Target)	Sao 10mm Close
Tolerance to Misalignment	Sar 20mm Open
Switching Frequency	5mm in any direction from 5mm setting gap
Approach Speed	1.0Hz maximum
Body Material	200mm/min to 1000mm/sec
Operating Temperature	UL approved polyester
Enclosure Protection	-25C +80C
Shock Resistance	IP69K IP67
Vibration Resistance	IEC68-2-27 11ms 30g
Cable Type	IEC68-2-6 10-55Hz 1mm
Mounting Bolts	PVC 6 or 8 core 6mm OD Conductors 0.25mm <sup>2</sup>
Mounting Position	2xM4 Tightening torque 1.0Nm
	Any

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

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	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	

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

AVAILABLE WITHOUT LED IF REQUIRED.