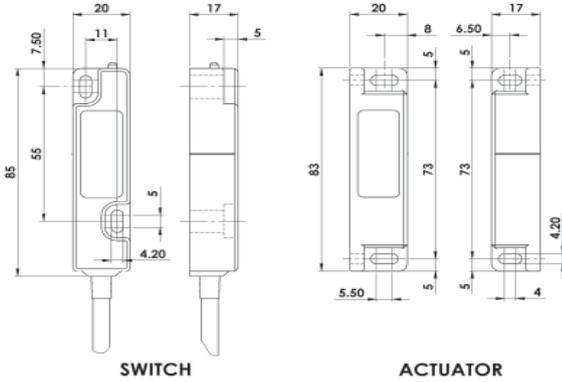


# IDECODE - Coded Non Contact Type: CPC

## FEATURES:

- Designed with a slim fitting making it suitable for all industry applications
- Easy to install within narrow frame constructions
- High specification and durable polyester housing
- Wide 14mm sensing with high tolerance to misalignment
- 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**

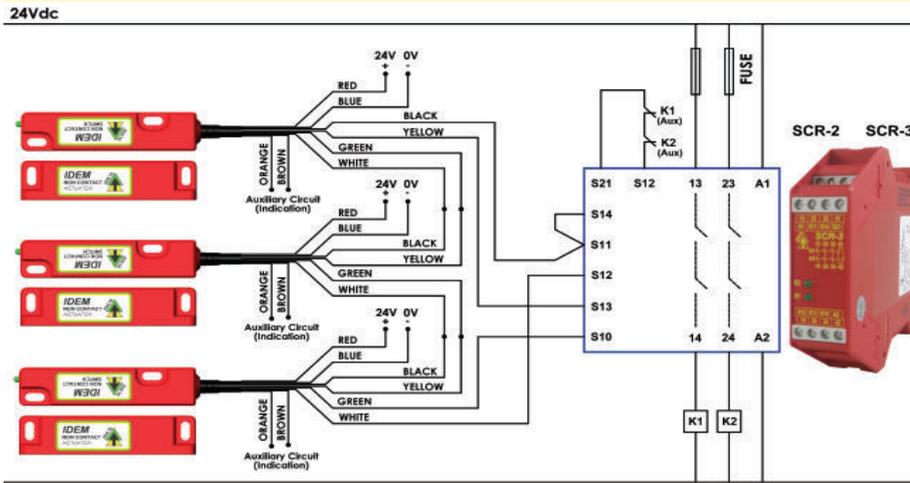


Quick Connect M12 versions fitted with 250mm (10") cable

Three switches connected in series to an SCR-2 or SCR-3 to give Dual Channel monitoring with automatic start and contactor feedback check.

Optional auxiliary circuits provide for remote signalling from each switch.

## CONNECTION EXAMPLE: CODED SWITCH



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

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

**Safety Classification and Reliability Data:**

- 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 (Target to Target) Sao 10mm Close 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

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

SALES NUMBER	TYPE	CABLE LENGTH	CIRCUITS
115001	Idecode CPC	2M	2NC
115002	Idecode CPC	5M	2NC
115003	Idecode CPC	10M	2NC
115004	Idecode CPC	QC-M12	2NC
115005	Idecode CPC	2M	2NC 1NO
115006	Idecode CPC	5M	2NC 1NO
115007	Idecode CPC	10M	2NC 1NO
115008	Idecode CPC	QC-M12	2NC 1NO

AVAILABLE WITHOUT LED IF REQUIRED.