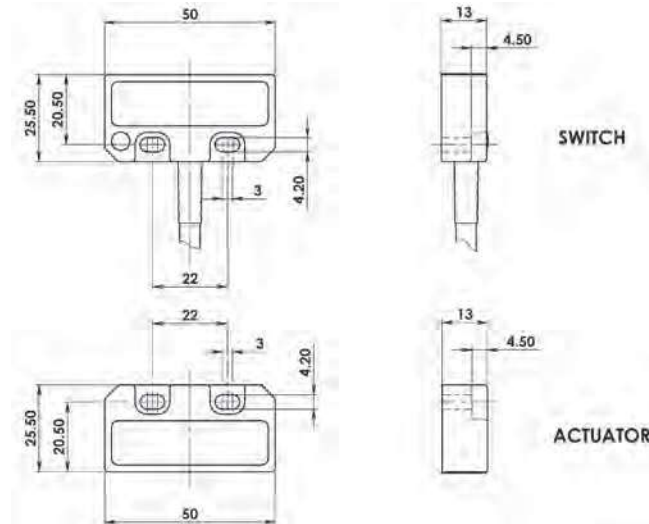


Magnetically Coded: SPC (IDECODE)

FEATURES:

Universal fitting - established 22mm footprint suitable for most applications.
Withstands environments where high humidity or hose down is required.
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.

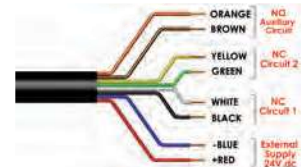
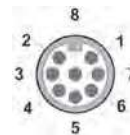
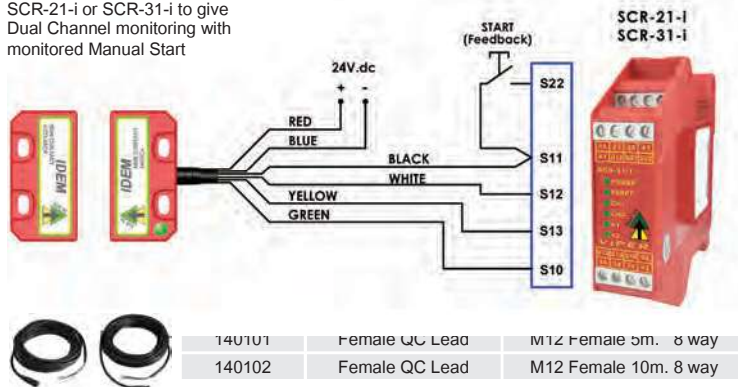


Quick Connect M12 versions fitted with 250mm (10") cable.



CONNECTION EXAMPLE: CODED SWITCH

Single switch connected to an SCR-21-i or SCR-31-i to give Dual Channel monitoring with monitored Manual Start



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	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	Supply 24Vdc +/- 10%

SALES NUMBER	TYPE	CABLE LENGTH	CIRCUITS
111001	Idecode SPC	2M	2NC
111002	Idecode SPC	5M	2NC
111003	Idecode SPC	10M	2NC
111004	Idecode SPC	QC-M12	2NC
111005	Idecode SPC	2M	2NC 1NO
111006	Idecode SPC	5M	2NC 1NO
111007	Idecode SPC	10M	2NC 1NO
111008	Idecode SPC	QC-M12	2NC 1NO
111105	Idecode SPC	2M	3NC
111106	Idecode SPC	5M	3NC
111107	Idecode SPC	10M	3NC
111108	Idecode SPC	QC-M12	3NC

Note: 2NC 1NO versions have 2NC Safety and 1NO Auxiliary Circuits
3NC versions have 2NC Safety and 1NC Auxiliary Circuits
AVAILABLE WITHOUT LED IF REQUIRED.

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

Safety Classification and Reliability Data:
ISO13849-1 Up to PLe Category 4
PFHd 2.6×10^{-10}
Proof Test Interval (Life) 20 years
MTTFd 866 years

Technical Specification:
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 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 0.25mm²
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.