

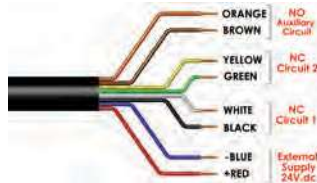
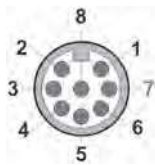
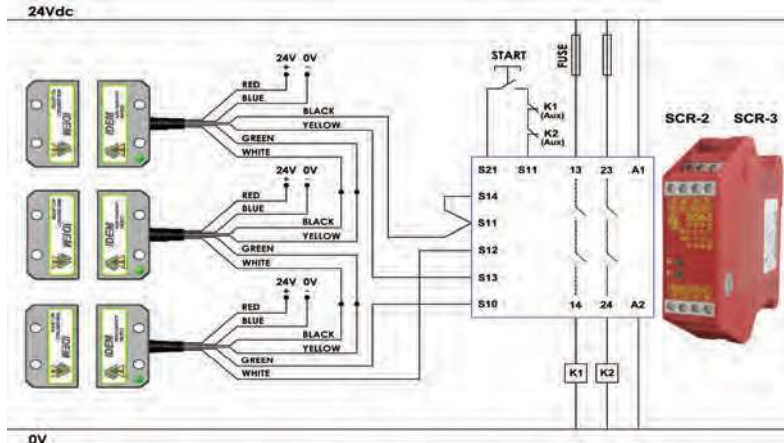
Magnetically Coded: SMC-H (HYGIECODE)

FEATURES:

Designed for Food Processing and Pharmaceutical applications.
Through hole fixing for front mounting by hexagon bolts - no food trap areas.
Suitable for CIP and SIP cleaning:
- Food Contact or Splash Zones EHEDG Guidelines.
Wide 14mm sensing with high tolerance to misalignment.
Universal fitting, established 22mm fixing footprint - suits most applications.
Can be high pressure hosed at high temperature.
Up to: PLe ISO13849-1.
2NC 1NO circuits - high switching life - no moving parts.
Quick Connect versions available.

Stainless Steel 316 Housing mirror polished (Ra4).
Coded Magnetic Actuation.
Switching Tolerance up to 14mm.
Will operate with most Safety Relays.

CONNECTION EXAMPLE: CODED SWITCHES



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%

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 Stainless Steel 316 mirror polished finish to Ra4
Operating Temperature -25C +105C (CIP SIP cleaning)
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.

IP69K

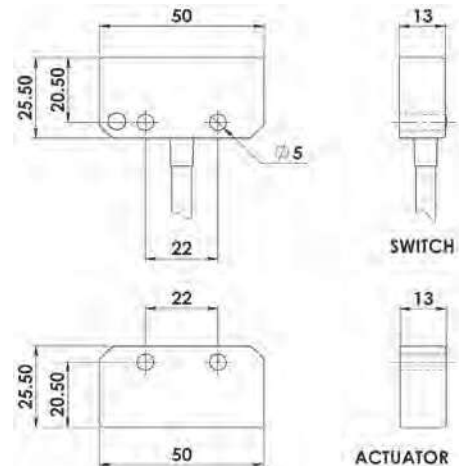


Use Hexagon Head Bolts for ease of cleaning.



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

DIMENSIONS:



SALES NUMBER	TYPE	CABLE LENGTH	CIRCUITS
132001	Hygiecode SMC-H	2M	2NC
132002	Hygiecode SMC-H	5M	2NC
132003	Hygiecode SMC-H	10M	2NC
132004	Hygiecode SMC-H	QC-M12	2NC
132005	Hygiecode SMC-H	2M	2NC 1NO
132006	Hygiecode SMC-H	5M	2NC 1NO
132007	Hygiecode SMC-H	10M	2NC 1NO
132008	Hygiecode SMC-H	QC-M12	2NC 1NO
132105	Hygiecode SMC-H	2M	3NC
132106	Hygiecode SMC-H	5M	3NC
132107	Hygiecode SMC-H	10M	3NC
132108	Hygiecode SMC-H	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.