

HYGIECODE – Coded Non Contact – Type CMC-F



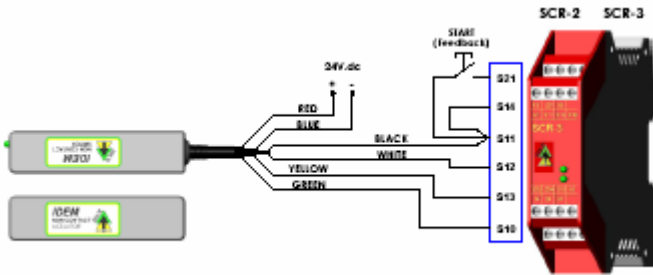
Coded Magnetic Actuation **Switching Tolerance up to 14mm** **Temperatures up to 105C.**
Stainless Steel 316 housing **IP69K** **No Food Trap Housing – Rear Mounting Holes**

Specifically designed for Food Processing applications – Stainless Steel 316 Mirror finish
 Suitable for CIP and SIP cleaning - mounting holes are at the rear – no food traps
 Slim fixing – can be fitted in narrow channels
 Can be high pressure hosed at high temperature – IP69K
 Wide 14mm sensing high tolerance to misalignment.
 LED indication
 Up to: PLe ISO 13849-1 SIL 3 EN 62061 Cat.4 EN 954-1
 2NC 1NO circuits - High switching life – no moving parts

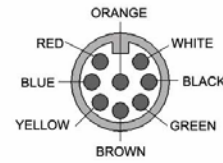
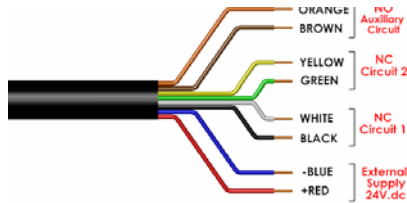
New



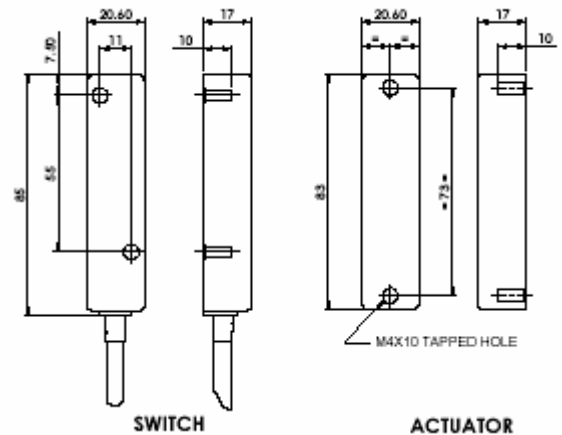
Application example – coded switches



One switch connected in series to an SCR-2 or SCR-3 to give Dual Channel monitoring with manual start and contactor feedback check.



QC-M12 pin view



Standards	EN1088 IEC 947-5-3 EN 60204-1 ISO 13849-1 EN 954-1 UL508
Safety Classification and Reliability Data:	
Switching Reliability	> 3.3 x 10 ⁶ operations at 100mA load up to Category 4 with Safety Relay
EN 954-1	up to PLe depending upon system architecture
ISO 13849-1	up to SIL3 depending upon system architecture
EN 62061	
Safety Data - Annual Usage	8 cycles per hour / 24 hours per day / 365 days
PFHd	> 2.52 x 10 ⁻⁸
Proof Test Interval (Life)	47 years
MTTFd	470 years
Safety Channel 1 NC	24V.dc 0.2 A Max. Rating
Safety Channel 2 NC	24V.dc 0.2 A Max. Rating
Safety Channel 3 NO	24V.dc 0.2 A Max. Rating
Minimum switched current	10V. dc 1mA
Delectric withstand	250V.ac
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	1.0 Hz maximum
Approach speed	200mm/m. to 1000mm/s.
Body Material	Stainless Steel 316 Mirror finish
Temperature Range	-25 / 105C.
Enclosure Protection	IP69K IP67
Shock Resistance	IEC 68-2-27 11ms 30g
Vibration Resistance	IEC 68-2-6 10-55 Hz. 1mm
Cable Type	PVC 6 or 8 core 6mm O.D.
Mounting Bolts	2 x M4 Tightening torque 1.0 Nm
Mounting Position	Any

Sales Number	Type	Cable Length	Circuits
135001	Hygiecode CMC-F	2M	2NC
135002	Hygiecode CMC-F	5M	2NC
135003	Hygiecode CMC-F	10M	2NC
135004	Hygiecode CMC-F	QC-M12	2NC
135005	Hygiecode CMC-F	2M	2NC 1NO
135006	Hygiecode CMC-F	5M	2NC 1NO
135007	Hygiecode CMC-F	10M	2NC 1NO
135008	Hygiecode CMC-F	QC-M12	2NC 1NO