

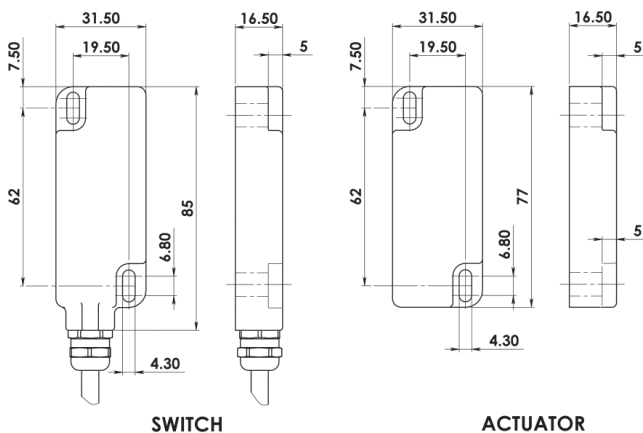
# HYGIECODE - Coded Non Contact Type: WMC

## FEATURES:

- Specifically designed for Food Processing applications -
- Stainless Steel 316 Housing Mirror Polished finish (Ra4)
- Robust 32mm wide housing, no moving parts - survives shock and vibration
- Can be high pressure hosed at high temperature - IP69K
- Wide 14mm sensing with high tolerance to misalignment
- Suitable for CIP and SIP cleaning -
- Food Splash Zones EHEDG guidelines

- LED indication
- Up to: PLe ISO13849-1
- 2NC 1NO circuits - high switching life - no moving parts

## DIMENSIONS:



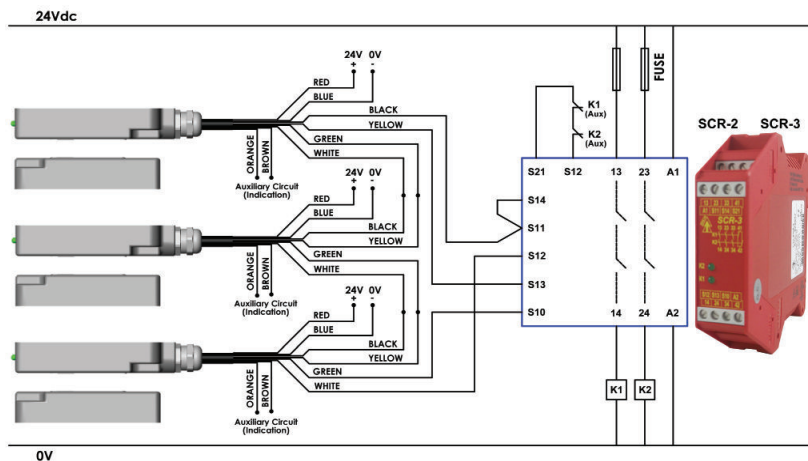
**Stainless Steel 316 Housing mirror polished (Ra4)**  
**Coded Magnetic Actuation**  
**Switching Tolerance up to 14mm**  
**Will operate with most Safety Relays**



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



## CONNECTION EXAMPLE: CODED 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
3	Blue	Supply 0Vdc	Supply 24Vdc +/- 10%

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 remove signalling from each switch.

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

### Safety Classification and Reliability Data:

- ISO13849-1 Up to PLe Category 4
- PFHd  $2.6 \times 10^{-10}$
- 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 Sao 10mm Close
- (Target to Target) 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 (NEMA PW12) IP67 (NEMA 6)
- 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



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

SALES NUMBER	TYPE	CABLE LENGTH	CIRCUITS
136013	Hygiecode WMC	2M	2NC
136014	Hygiecode WMC	5M	2NC
136015	Hygiecode WMC	10M	2NC
136016	Hygiecode WMC	QC-M12	2NC
136017	Hygiecode WMC	2M	2NC 1NO
136018	Hygiecode WMC	5M	2NC 1NO
136019	Hygiecode WMC	10M	2NC 1NO
136020	Hygiecode WMC	QC-M12	2NC 1NO

AVAILABLE WITHOUT LED IF REQUIRED.

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