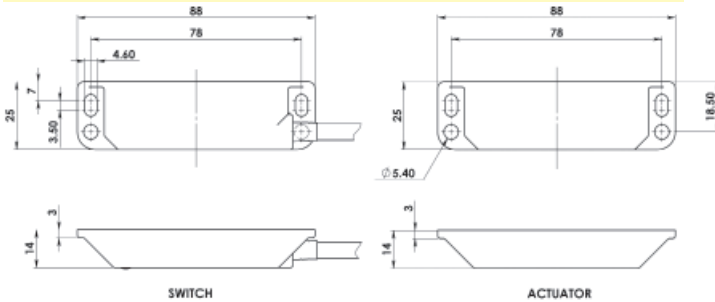


HYGIEMAG - Magnetic Non Contact Type: LMR

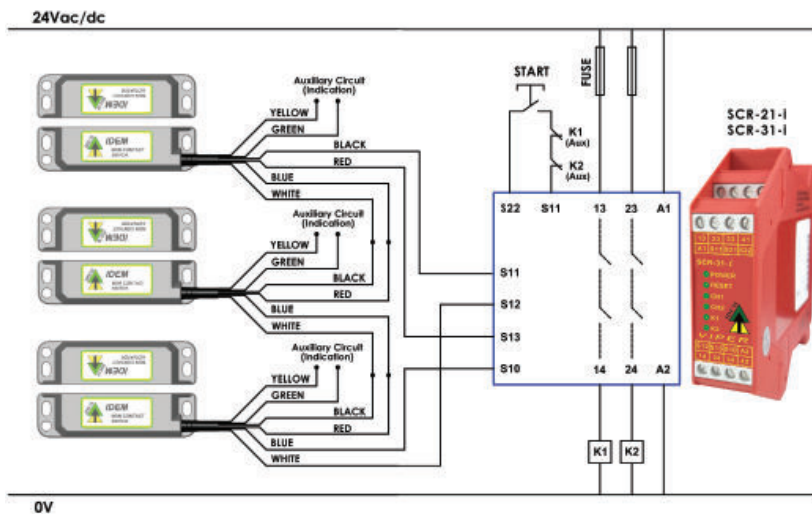
FEATURES:

Specifically designed for Food Processing applications -
 Stainless Steel 316 Mirror Polished finish (Ra4)
 Suitable for CIP and SIP cleaning -
 Food Splash Zones EHEDG guidelines - IP69K
 Wide sensing at 12mm with high tolerance to misalignment
 Narrow fitting enables flush mounting
 Can be high pressure hosed at high temperature
 Long life high power switching capability - up to 1.0A
 Up to: PLe ISO13849-1
 2NC 1NO circuits Quick Connect versions available

DIMENSIONS:



CONNECTION EXAMPLE: Magnetic Switches



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

Safety Classification and Reliability Data:

Mechanical Reliability B10d
 ISO13849-1
 Safety Data – Annual Usage
 MTTFd 470 years
 Medium Duty Safety Channel 1 NC
 Safety Channel 2 NC
 Safety Channel 3 NO
 Voltage Free: 250Vac 1.0A Max. Rating
 Voltage Free: 250Vdc 0.2A Max. Rating
 Fuse Internal 1.0A (F) External 0.8A (F) (User)
 Contact Release Time <2ms
 Initial Contact Resistance <500 milliohm
 Minimum Switched Current 10Vdc 1mA
 Dielectric Withstand 250Vdc
 Insulation Resistance 100 Mohms
 Recommended Setting Gap 5mm
 Switching Distance Sao 8mm Close
 (Target to Target) Sar 22mm 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 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.



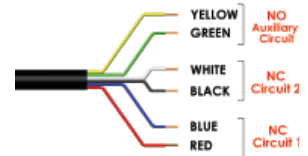
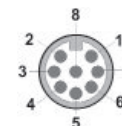
Stainless Steel 316 Housing mirror polished (Ra4)
Magnetic Actuation - Power Series 230Vac/24Vdc 1.0A
Switching Tolerance up to 12mm
Will operate with most Safety Relays



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



Three switches connected in series to an SCR-21-i or SCR-31-i to give Dual Channel guard monitoring with Monitored Manual Start and Contactor Feedback check. Optional auxiliary circuits provide for remote signalling from each switch.



Quick Connect QC M12 8 Way Male Plug Pin view from Switch	Standard Lead Colour	Circuit (Actuator Present)
4	Yellow	NO
6	Green	NO
7	Black	NC2
1	White	NC2
2	Red	NC1
3	Blue	NC1

SALES NUMBER	TYPE	CABLE LENGTH	CIRCUITS
133009	Hygiemag LMR	2M	2NC
133010	Hygiemag LMR	5M	2NC
133011	Hygiemag LMR	10M	2NC
133012	Hygiemag LMR	QC-M12	2NC
133013	Hygiemag LMR	2M	2NC 1NO
133014	Hygiemag LMR	5M	2NC 1NO
133015	Hygiemag LMR	10M	2NC 1NO
133016	Hygiemag LMR	QC-M12	2NC 1NO



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