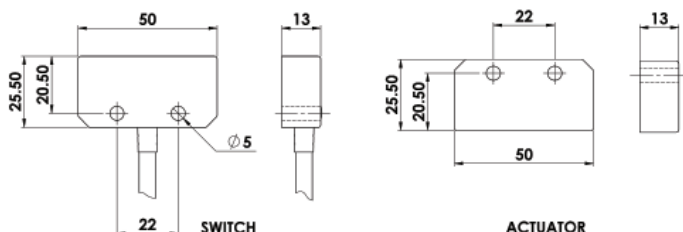


HYGIEMAG - Magnetic Non Contact Type: SMR-H

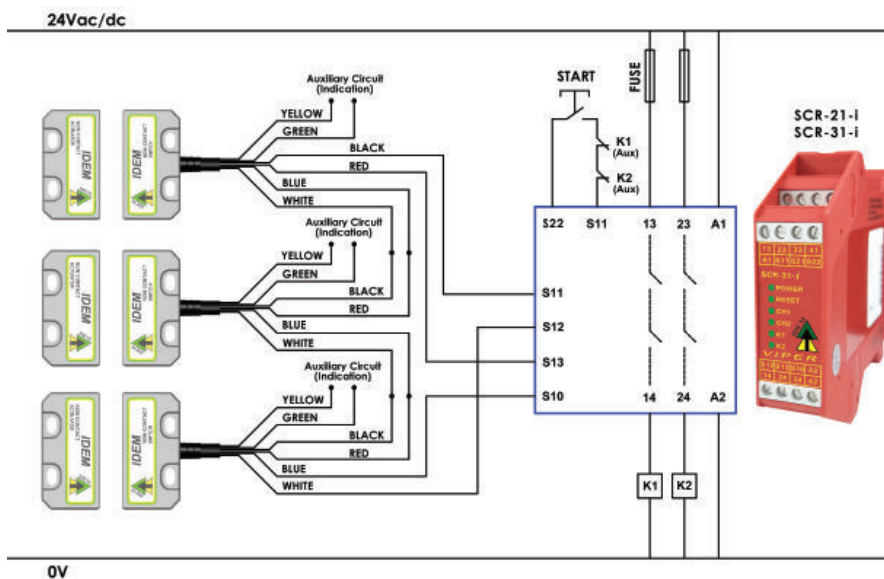
FEATURES:

Robust Stainless Steel 316 enclosure designed to survive Food Processing, Packaging and Pharmaceutical applications
Through hole fixing to enable front mounting by Hexagon head bolts - no food trap areas
Suitable for CIP and SIP cleaning -
Food Contact or Food Splash Zones EHEDG guidelines
Universal Housing - 22mm fixing hole centre with 50mm wide body
Wide sensing at 12mm with high tolerance to misalignment
Up to: PLe ISO13849-1
2NC 1NO circuits
Quick Connect versions available

DIMENSIONS:

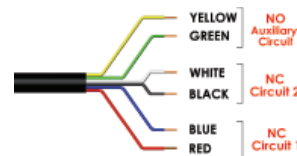
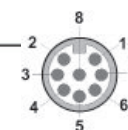


CONNECTION EXAMPLE: Magnetic Switches



Use Hexagon Head Bolts for ease of cleaning

Three switches connected to an SCR-21-i or SCR-31-i to give Dual Channel guard monitoring with monitored Manual Start and Contactor Feedback check. Auxiliary circuits provide remote signalling from each switch.



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
8 cycles per hour/24 hours per day/365 days
MTTFd 470 years
Safety Channel 1 NC
Voltage Free: 250Vac 1.0A Max. Rating
Safety Channel 2 NC
Voltage Free: 250Vac 1.0A Max. Rating
Safety Channel 3 NO
Voltage Free: 24Vdc 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
250Vac
Insulation Resistance
100 Mohms
Recommended Setting Gap
5mm
Switching Distance
Sao 8mm Close
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.



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

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
132009	Hygiemag SMR-H	2M	2NC
132010	Hygiemag SMR-H	5M	2NC
132011	Hygiemag SMR-H	10M	2NC
132012	Hygiemag SMR-H	QC-M12	2NC
132013	Hygiemag SMR-H	2M	2NC 1NO
132014	Hygiemag SMR-H	5M	2NC 1NO
132015	Hygiemag SMR-H	10M	2NC 1NO
132016	Hygiemag SMR-H	QC-M12	2NC 1NO