

HYGIEMAG - Magnetic Non Contact Type: RMR (M30)

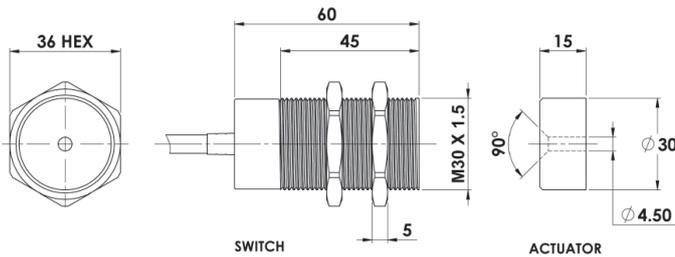
FEATURES:

M30 cylindrical fitting suitable for all industry applications.
 Easy to install - M30 threaded body - easy to set
 Wide 10mm sensing
 Suitable for harsh environments of Food Processing and Packaging
 Up to: PLe ISO13849-1
 2NC 1NO circuits
 Quick Connect versions available

Stainless Steel 316 Housing
Magnetic Actuation
Switching Tolerance up to 10mm
Will operate with most Safety Relays
Quick Connect versions available



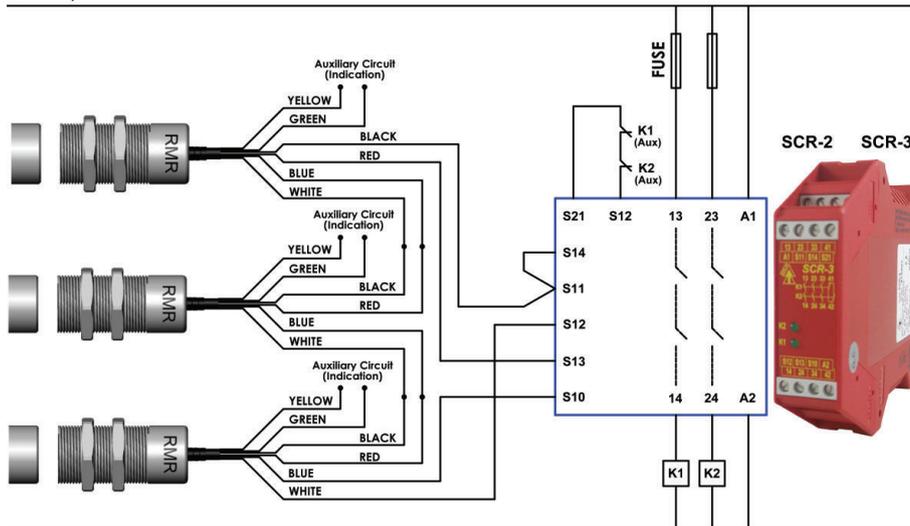
DIMENSIONS:



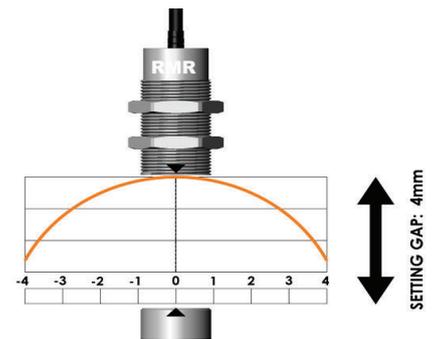
Quick Connect M12 versions fitted with 250mm (10") cable

CONNECTION EXAMPLE: Magnetic Switches

24Vac/dc 110Vac 230Vac



SETTING GAP:



0V
 Three switches connected in series to an SCR-2 or SCR-3 to give Dual Channel guard monitoring with Automatic Start and Contactor Feedback Check.

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

Safety Classification and Reliability Data:

Mechanical Reliability B10d 3.3 x 10⁶ operations at 100mA load
 ISO13849-1 Up to PLe depending upon system architecture
 Safety Data – Annual Usage 8 cycles per hour/24 hours per day/365 days
 MTTFd 470 years
 Safety Channel 1 NC Voltage Free: 250Vac 0.5A Max. Rating
 Safety Channel 2 NC Voltage Free: 250Vac 0.5A Max. Rating
 Safety Channel 3 NO Voltage Free: 24Vdc 0.2A Max. Rating
 Minimum Switched Current 10Vdc 1mA
 Dielectric Withstand 250Vac
 Insulation Resistance 100 Mohms
 Recommended Setting Gap 5mm
 Switching Distance Sao 8mm Close
 (Target to Target) Sar 20mm Open
 Tolerance to Misalignment 4mm in any direction from 4mm setting gap
 Switching Frequency 1.0Hz maximum
 Approach Speed 200mm/min to 1000mm/sec
 Body Material Stainless Steel 316
 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 core 6mm OD Conductors 0.25mm²
 Mounting Position Any

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
134009	Hygiemag RMR S/Steel 316	2M	2NC
134010	Hygiemag RMR S/Steel 316	5M	2NC
134011	Hygiemag RMR S/Steel 316	10M	2NC
134012	Hygiemag RMR S/Steel 316	QC-M12	2NC
134013	Hygiemag RMR S/Steel 316	2M	2NC 1NO
134014	Hygiemag RMR S/Steel 316	5M	2NC 1NO
134015	Hygiemag RMR S/Steel 316	10M	2NC 1NO
134016	Hygiemag RMR S/Steel 316	QC-M12	2NC 1NO

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