

Magnetically Operated: MMR-H (HYGIEMAG)

FEATURES:

Compact and robust fitting suitable for all small guard applications.
Through hole fixing to enable front mounting - no food trap areas.
Suitable for CIP and SIP cleaning:

- Food Contact or Splash Zones EHEDG guidelines.

Cost effective interlock solution for harsh environments.

Wide sensing at 10mm with high tolerance to misalignment.

Stainless Steel 316 housing with Mirror Polished finish (Ra4).

Can be mounted unobtrusively in channels or behind doors.

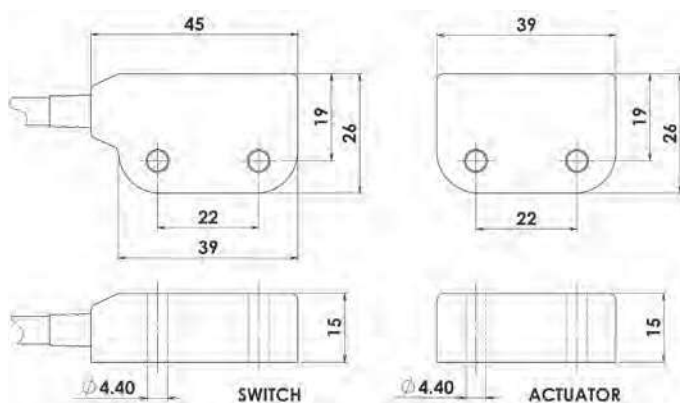
Left or Right Cable exit options available.

Up to: PLe ISO13849-1.

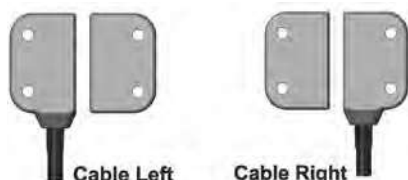
2NC 1NO circuits.

Quick Connect versions available.

DIMENSIONS:



Left or Right
Cable Exit
Options
available.



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
Up to PLe depending upon system architecture
Safety Data – Annual Usage 8 cycles per hour/24 hours per day/365 days
MTTFd 470 years

Technical Specification:

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 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 (QC versions IP67 for connector)
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

Stainless Steel 316 Housing mirror polished (Ra4).

Magnetic Actuation.

Switching Tolerance up to 10mm.

Will operate with most Safety Relays.



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
131001	MMR-H Cable Right	2M	2NC
131002	MMR-H Cable Right	5M	2NC
131003	MMR-H Cable Right	10M	2NC
131004	MMR-H Cable Right	QC-M12	2NC
131005	MMR-H Cable Right	2M	2NC 1NO
131006	MMR-H Cable Right	5M	2NC 1NO
131007	MMR-H Cable Right	10M	2NC 1NO
131008	MMR-H Cable Right	QC-M12	2NC 1NO
131009	MMR-H Cable Left	2M	2NC
131010	MMR-H Cable Left	5M	2NC
131011	MMR-H Cable Left	10M	2NC
131012	MMR-H Cable Left	QC-M12	2NC
131013	MMR-H Cable Left	2M	2NC 1NO
131014	MMR-H Cable Left	5M	2NC 1NO
131015	MMR-H Cable Left	10M	2NC 1NO
131016	MMR-H Cable Left	QC-M12	2NC 1NO



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

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