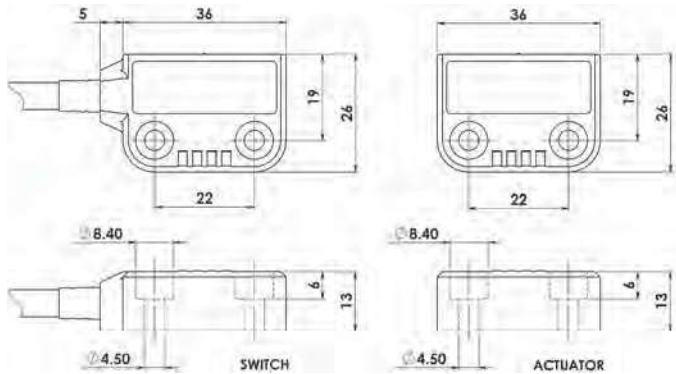


Magnetically Operated: MPR (IDEMAG)

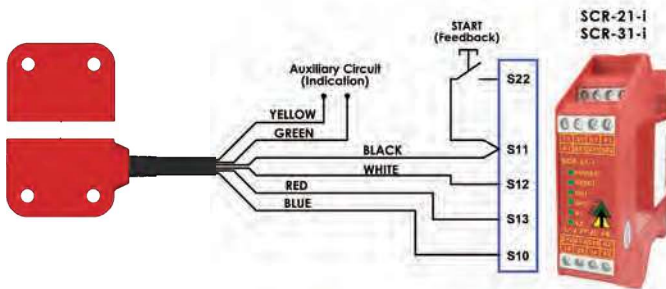
FEATURES:

Compact and robust fitting suitable for all small guard applications.
Hygienic screw covers ensure suitability for Food Processing washdown.
Cost-effective interlock solution.
Wide sensing at 12mm and high tolerance to misalignment.
High specification polyester housing with integral back plate.
Can be mounted unobtrusively in channels or behind doors.
Left or Right Cable exit options available.
High current switching capability up to 0.5A.
Up to: PLe ISO13849-1.
2NC 1NO circuits.
Quick Connect versions available - M12 8 Way or M8 4 Way.

DIMENSIONS:



CONNECTION EXAMPLE: Magnetic Switches



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

Technical Specification:

Medium Duty 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
Fuse Internal 1.0A (F) External 0.4A (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 UL approved polyester
Operating Temperature -25C +80C
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

Magnetic Actuation.

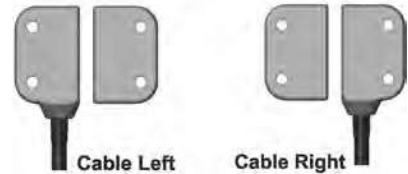
Switching Tolerance up to 12mm.

Will operate with most Safety Relays.

Supplied with Screw Cap covers to prevent contamination from food deposits



Left or Right Cable Exit Options available



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

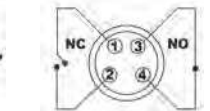
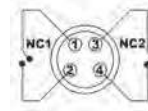


SALES NUMBER	TYPE	CABLE LENGTH	CIRCUITS
114001	MPR Cable Right	2M	2NC
114002	MPR Cable Right	5M	2NC
114003	MPR Cable Right	10M	2NC
114004	MPR Cable Right	QC-M12	2NC
114005	MPR Cable Right	2M	2NC 1NO
114006	MPR Cable Right	5M	2NC 1NO
114007	MPR Cable Right	10M	2NC 1NO
114008	MPR Cable Right	QC-M12	2NC 1NO
114009	MPR Cable Left	2M	2NC
114010	MPR Cable Left	5M	2NC
114011	MPR Cable Left	10M	2NC
114012	MPR Cable Left	QC-M12	2NC
114013	MPR Cable Left	2M	2NC 1NO
114014	MPR Cable Left	5M	2NC 1NO
114015	MPR Cable Left	10M	2NC 1NO
114016	MPR Cable Left	QC-M12	2NC 1NO

Alternative QC Version

M8 Universal

4 Way Integral Connector



M8 Connector Right

2NC Versions

1NC 1NO Versions

114020	MPR Connector Right	QC M8 2NC	Close 10mm Open 20mm
114021	MPR Connector Left	QC M8 2NC	Close 10mm Open 20mm
114022	MPR Connector Right	QC M8 1NC 1NO	Close 10mm Open 20mm
114023	MPR Connector Left	QC M8 1NC 1NO	Close 10mm Open 20mm
114024	MPR Connector Right	QC M8 2NC	Close 4mm Open 10mm
114025	MPR Connector Left	QC M8 2NC	Close 4mm Open 10mm
114026	MPR Connector Right	QC M8 1NC 1NO	Close 4mm Open 10mm
114027	MPR Connector Left	QC M8 1NC 1NO	Close 4mm Open 10mm

114300

Plastic 8mm Spacers (2) for use when mounting on Ferrous Materials

1 x Switch
1 x Actuator

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