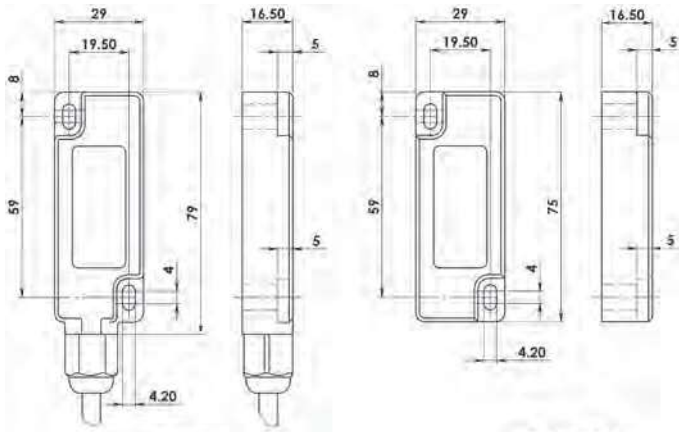


Magnetically Operated: WPR (IDEMAG)

FEATURES:

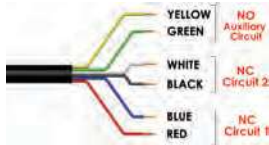
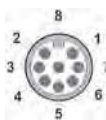
Robust wide fitting suitable for all industry applications.
Wide 12mm sensing and high tolerance to misalignment.
Long life high power switching capability: Heavy Duty 2A.
Up to: PLe ISO13849-1.
2NC 1NO circuits.
Quick Connect versions available.

DIMENSIONS:



SWITCH

ACTUATOR



Operating Direction

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

Alternative QC option:



NC1 Pins 1 and 2
NC2 Pins 3 and 4
M12 4 Way Versions
Asi compatible Pin out
Pin view from switch

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:

Heavy Duty Safety Channel 1 NC Voltage Free: 250Vac 2.0A Max. Rating
Safety Channel 2 NC Voltage Free: 250Vac 2.0A Max. Rating
Safety Channel 3 NO Voltage Free: 24Vdc 0.2A Max. Rating
Fuse Internal 2.0A (F) External 1.6A (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

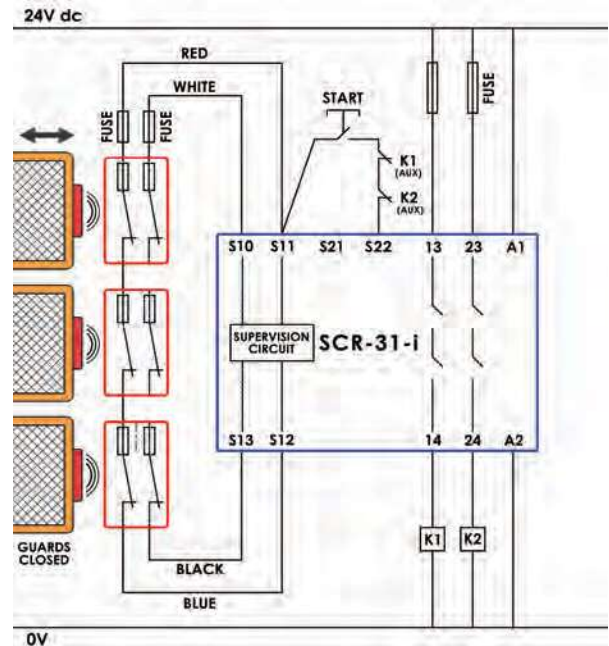
For all IDEM switches the normally closed (NC) circuits are closed when the guard is closed and the actuator is present.

Magnetic Actuation - Power Series.
Switching Tolerance up to 12mm.
Heavy Duty version 230Vac/24Vdc 2A.
Will operate with most Safety Relays.



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

CONNECTION EXAMPLE: Magnetic Switches



Three switches connected in series to an SCR-21-i or SCR-31-i to give Dual Channel guard monitoring but with Monitored Manual Start and Contactor Feedback check.

SALES NUMBER	TYPE	CABLE LENGTH	CIRCUITS
112001	Idemag WPR	2M	2NC
112002	Idemag WPR	5M	2NC
112003	Idemag WPR	10M	2NC
112004	Idemag WPR	QC-M12	2NC
112005	Idemag WPR	2M	2NC 1NO
112006	Idemag WPR	5M	2NC 1NO
112007	Idemag WPR	10M	2NC 1NO
112008	Idemag WPR	QC-M12	2NC 1NO
112009	Idemag WPR	2M	1NC 1NO
112010	Idemag WPR	5M	1NC 1NO
112011	Idemag WPR	10M	1NC 1NO
112012	Idemag WPR	QC-M12	1NC 1NO
140101	Female QC Lead	M12 Female 5m.	8 way
140102	Female QC Lead	M12 Female 10m.	8 way
112300	Plastic 8mm Spacers (2) for use when mounting on Ferrous Materials		1 x Switch 1 x Actuator