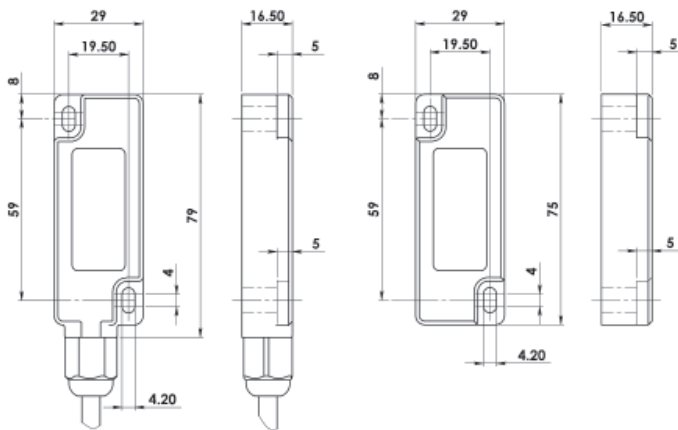


# IDEMAG - Magnetic Non Contact Type: WPR

## 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

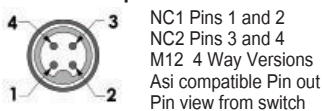
ACTUATOR



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 EN60947-5-1  
EN60204-1 ISO13849-1 EN62061 UL508

## Safety Classification and Reliability Data:

Mechanical Reliability B10d	3.3 x 10 <sup>6</sup> 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
Heavy Duty	Safety Channel 1 NC
	Safety Channel 2 NC
	Safety Channel 3 NO
	Fuse
	Contact Release Time
	Initial Contact Resistance
	Minimum Switched Current
	Dielectric Withstand
	Insulation Resistance
	Recommended Setting Gap
	Switching Distance
	(Target to Target)
	Tolerance to Misalignment
	Switching Frequency
	Approach Speed
	Body Material
	Operating Temperature
	Enclosure Protection
	Shock Resistance
	Vibration Resistance
	Cable Type
	Mounting Bolts
	Mounting Position

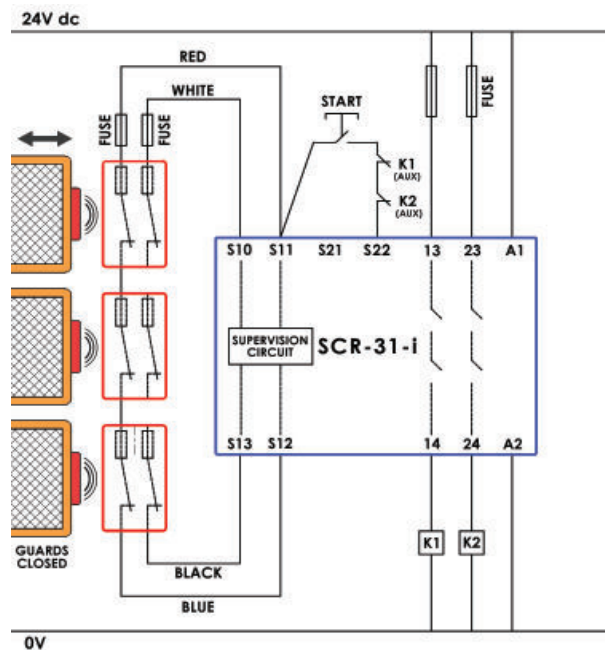
For all IDEM switches the normally closed (NC) circuits are closed when the guard is closed and the actuator is present.

**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
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