

# IDEMAG - Magnetic Non Contact - Type WPR

Magnetic Actuation - Power series Heavy Duty version 230V.ac 2.0A. / 24V.dc 2.0A.

Switching Tolerance up to 14mm Specified to 80°, but designed to work up to 100°

Robust wide fitting suitable for all industry applications.

Industry standard fixings

Wide 14mm sensing high tolerance to misalignment.

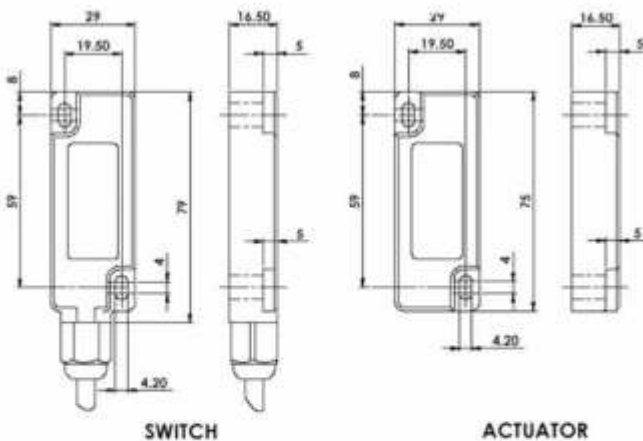
High switching capability - Medium Duty 1A. Heavy Duty 2A.

Can be used as standalone switch for low risk applications or up to EN 954-1 Cat.4 with safety relay.

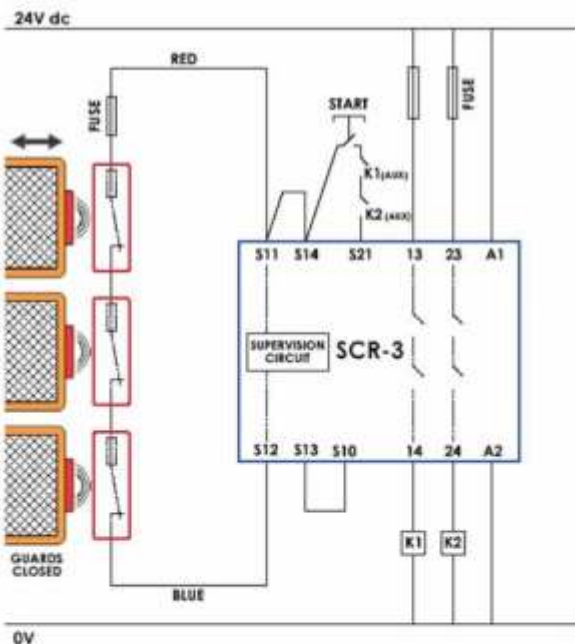


Will operate with most EN 954-1 Cat.4 Safety Relays

## Plastic Housing



## Application example – magnetic switches



Three switches connected in series to an SCR-2 or SCR-3 to give Single Channel Guard monitoring but with monitored manual start and contactor feedback check. Allows minimal wiring but higher current switching to K1 and K2 contactors.

- Standards EN1088 IEC 947-5-3 EN 60204-1  
EN 954-1 UL508
- Safety Channel 1 NC Voltage free : 250V.ac 2.0 A Max. Rating  
Safety Channel 2 NC Voltage free : 250V.ac 2.0 A Max. Rating  
Safety Channel 3 NO Voltage free : 24V.dc 0.2 A Max. Rating  
Fuse Internal 2.0 A (F) External 1.6A (F)
- Contact release time <2ms  
Initial contact resistance <500 milliohm  
Minimum switched current 10V, dc 1mA  
Dielectric withstand 250V.ac  
Insulation Resistance 100 Mohms  
Recommended setting gap 5mm  
Switching Distance: Sao 12mm Close Sar 22mm Open  
Tolerance to misalignment 5mm in any direction from 5mm setting gap  
Switching frequency 1.0 Hz maximum  
Approach speed 200mm/m. to 1000mm/s.  
Body Material Red Polyester  
Temperature Range -25 / 80C.  
Enclosure Protection IP67  
Shock Resistance IEC 68-2-27 11ms 30g  
Vibration Resistance IEC 68-2-6 10-55 Hz. 1mm  
Mechanical Life Expectancy 10,000,000 switchings  
Electrical Life Expectancy 1,000,000 switchings  
De-rating Safety Factor 2  
Tested to 2,000,000 cycles at 24V. 0.2A .dc
- Cable Type PVC 6 or 8 core 6mm O.D.  
Mounting Bolts 2 x M4 Tightening torque 1.0 Nm  
Mounting Position Any

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