

MAGNETIC CONTACTS

SI SERIES

SPECIFICATIONS AND TECHNICAL DETAILS

Circuit type:

Single Pole Single Throw (SPST) closed loop circuits.

Switches are held closed when magnet is in close proximity; alarm detection occurs when contacts open.

Reed switches:

All models equipped with single reed switch; soldered connection point; contact surfaces coated with Rhodium; sealed glass capsule with dry nitrogen atmosphere; 8 million operations life expectancy.

Magnets: Alnico 5

Electrical:

Max switched voltage: 30 volts DC, 30 volts (rms) AC

Max switched current: 300mA

Max power: 3 watts

Max circuit resistance: 100m Ohms

Active gap: 15mm to 90mm

Special Notes:

All gap distances are nominal $\pm 10\%$

Wide gap contacts are polarity sensitive

Use alignment dots for proper installation of surface mount contacts.

End of magnet is positioned away from switch.

TUV, CE and UL listed where applicable.

Magnetically susceptible material will affect the range of the contact gap. Be sure to test the gap thoroughly when mounting on iron or steel surfaces. In such case, heavy duty metal magnetic switches are recommended.

SI-03 A surface mount, ABS housed, with an active gap of minimum 15mm and maximum 25mm.

SI-03a A surface mount, ABS housed, 3 screw-type terminal (Common, NO, NC) with an active gap of minimum 15mm and maximum 25mm.

SI-03b A surface mount, ABS housed, miniature switch, adhesive backed, with an active gap of minimum 15mm and maximum 25mm. [Recommended for windows./ Ideal for aluminum windows. Not recommended for doors.]

SI-03d A surface mount, metal housed, heavy duty, rolling shutter switch, with an active gap of 18mm/35mm minimum and a maximum of 80mm.

SI-03e A recessed roller type, ABS housed, with an active gap of minimum 15mm and maximum 35mm. Ideal for mounting on top of wooden doors.

SI-03f A surface mount, metal housed, heavy duty door switch for external use, with an active gap of 18mm minimum and a maximum of 35mm.

SI-03g A surface mount, extra wide gap switch, ABS housed, with an active gap of 15mm minimum and 35mm maximum.

SI-03j A surface mount, ABS housed, overhead indoor rolling shutter switch, with an active gap of up to 80mm and a ventricle front and behind movement of 90 degree.

SI-03l A recessed roller type, ABS housed, for aluminum doors, with an active gap of 40mm minimum and 60mm maximum.

SI-03o A recessed roller type, metal and ABS housed, with an active gap of 15mm minimum and 30mm maximum.



SI-03



SI-03a



SI-03b



SI-03d



SI-03e



SI-03f



SI-03j



SI-03g



SI-03i



SI-03o