

Magnetic Contact

Part No. LC-31BW

Description

Magnetic contact is a proximity switch what is used magnetic field of magnet to actuate Reed Switch. Because of design in Reed Switch, low cost and simple using-way is major characteristics of magnetic contact.

磁簧開關是一種接近開關，利用磁鐵磁場來驅動簧片開關。由於簧片開關設計，使用簡單，是磁開關的主要特徵。

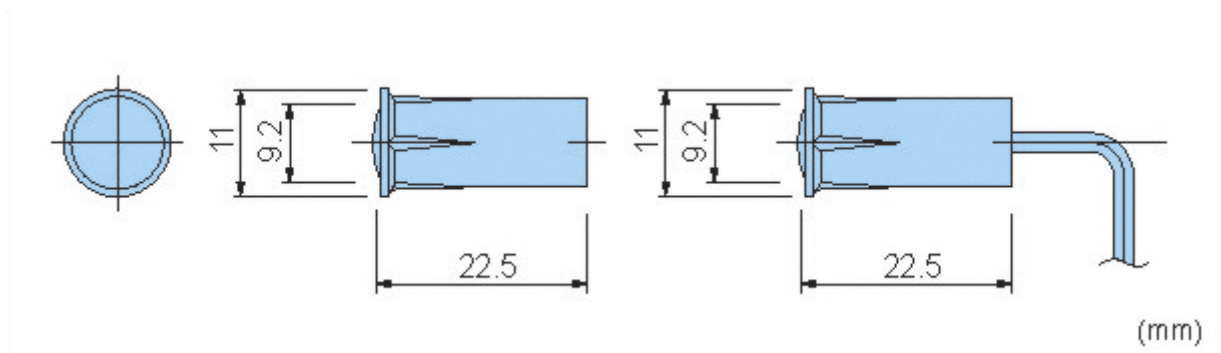
Application

- Security equipment • 安防設備
- domestic appliances • 家用電器
- automation machines • 自動化機器

Feature

- 3/8" Diameter – press fit
- Recessed "shortie" switch set, ideal to thin framed doors and windows
- Longer leads, zip cord or Jacketed cable upon request

Outline dimensions



Dimension in mm

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Switch 開關特性

Contact arrangement 迴路型式	Open loop
Reed switch contact form 接點形式	FROM B (N.C)
Switching voltage (Max.) 最大直流電壓	100v AC/DC
Switching current (Max.) 最大直流電流	0.3 A
Contact capacity (Max.) 最大接點容量	3 watt
Initial contact (Max.) 接觸阻抗	0.2 Ohm
Carry current (Max.) 承載電流	0.5A
Breakdown voltage 接點耐電壓	200 VDC
Insulation resistance (Min.) 絕緣阻抗	1000 Mohm min
Switch cycle 接點壽命	5×10 ⁷ cycle at 12V 50mADC

Magnet 磁石

Material 材質	NedFeB rare earth
Residual flux density (Br) 殘留磁束密度	11.8 ~ 12.5 K Gauss
Maximun energy product (BH) (Max.) 最大磁能積	33 ~ 36 MG.Oe
Curie temperature (Tc) 居里溫度	310℃

Gap 距離

Sense gap (Min.) 感應距離	20mm
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Physical characteristic 物理特性

Temperature 使用周圍溫度	-20℃ ~ +60℃
Vibration 耐振動性	20 G(10 ~ 55 HZ)
Shock 耐衝擊性	30 G (11 msec)
Heat shock 熱衝擊	-25℃ ~ +65℃ (30Min.) (30Min.) 100 cycle
Package drop 落下容許高度	Drop height 80 cm
Humidity 耐濕性	80℃ 95% RH 72 hrs