

Magnetic Contact

Part No. LC- 42

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.

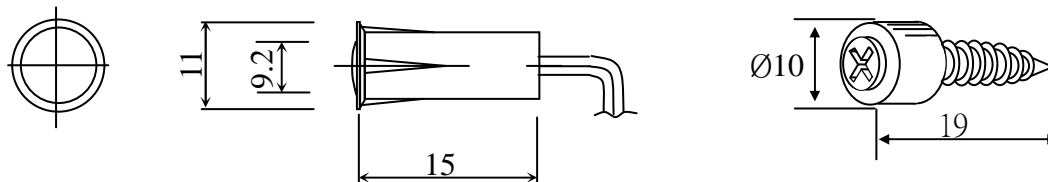
Application

- Security equipment
- domestic appliances
- automation machines

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

Magnetic Contact

Part No. LC- 42

Switch

| | |
|------------------------------|---------------------------------------|
| Contact arrangement | Closed loop |
| Switching voltage (Max.) | 100V AC/DC |
| Switching current (Max.) | 100 mA |
| Contact capacity (Max.) | 5 watt |
| Initial contact (Max.) | 0.2 Ohm |
| Carry current (Max.) | 100 mA |
| Breakdown voltage | 150 VDC |
| Insulation resistance (Min.) | 100 Mohm |
| Switch cycle | 5×10 ⁷ cycle at 30V 0.1ADC |

Magnet

| | |
|------------------------------------|------------------|
| Material | NdFeB rare earth |
| Residual flux density (Br) | 11.8~12.5 KGauss |
| Maximun energy product (BH) (Max.) | 33~36 MG.Oe |
| Curie temperature (Tc) | 310°C |

Gap

| | |
|------------------|-------|
| Sense gap (Min.) | 22 mm |
|------------------|-------|

Physical characteristic

| | |
|--------------|------------------------|
| Temperature | -20°C ~+60°C |
| Vibration | 20 G(10~55 HZ) |
| Shock | 30 G (11 msec) |
| Heat shock | -20°C ~+65°C 100 cycle |
| Package drop | Drop height 80 cm |
| Humidity | 80°C 95% RH 72 hrs |