

Magnetic Contact

Part No. LCD-44

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

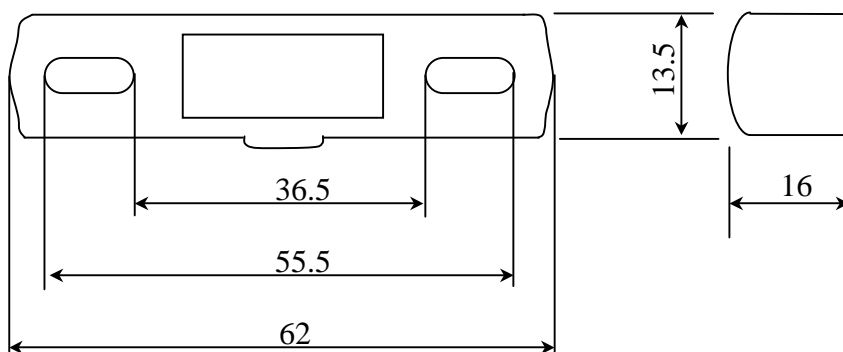
- Security equipment
- domestic appliances
- automation machines

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
- Built-in Monitoring LED inspecting system

Outline dimensions

Unit: mm



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Switch

| | |
|------------------------------|---------------------------------------|
| Contact arrangement | Closed loop |
| Switching voltage (Max.) | 100v AC/DC |
| Switching current (Max.) | 0.5 A |
| Contact capacity (Max.) | 10 VA |
| Initial contact (Max.) | On - 0.2 Ohm, Off – 47K Ohm min. |
| Carry current (Max.) | 1 A |
| Breakdown voltage | 200 VDC |
| Insulation resistance (Min.) | 100 Mohm |
| Switch cycle | 5×10 ⁷ cycle at 30V 0.1ADC |

Magnet

| | |
|------------------------------------|---------------------|
| Material | Anisotropic ferrite |
| Residual flux density (Br) | 3300 ~ 3600 KGauss |
| Maximun energy product (BH) (Max.) | 2.5~3.5 MG.Oe |
| Curie temperature (Tc) | 450°C |

Gap

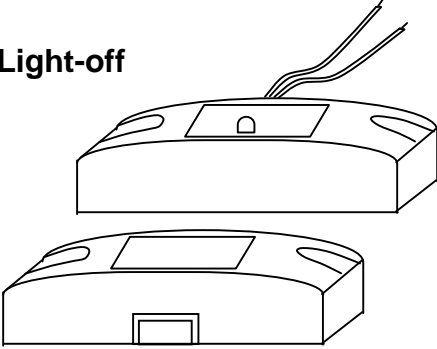
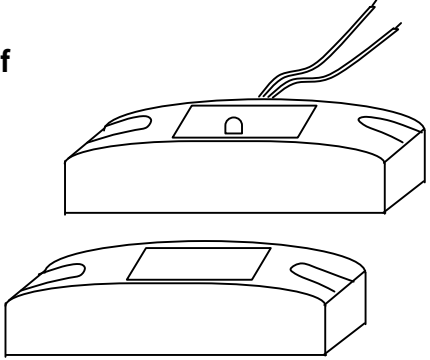
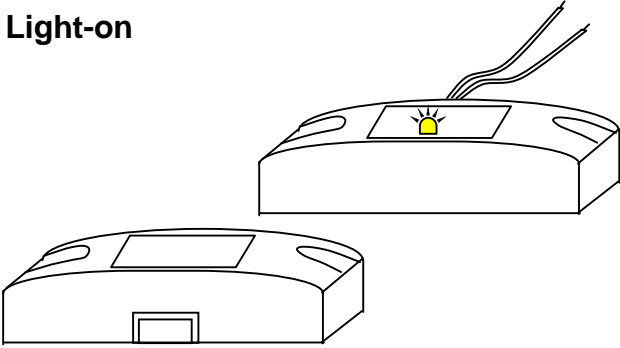
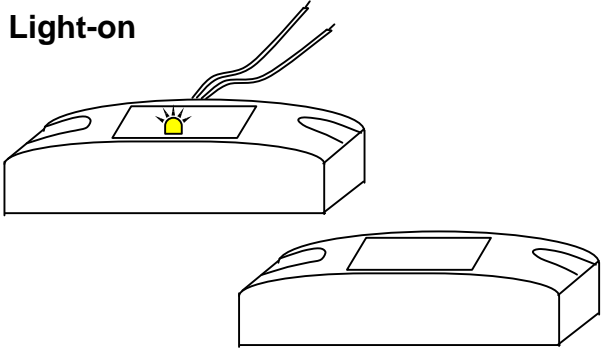
| | |
|------------------|----------|
| Sense gap (Min.) | 30 ± 5mm |
|------------------|----------|

Physical characteristic

| | |
|--------------|---|
| Temperature | -20°C ~+60°C |
| Vibration | 20 G(10~55 HZ) |
| Shock | 30 G (11 msec) |
| Heat shock | -25°C ~+65°C (30Min.) (30Min.) 100 cycle |
| Package drop | Drop height 80 cm |
| Humidity | 80°C 95% RH 72 hrs |

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Installing:

| On Alert | On Alert |
|--|--|
| <p>Off Light-off</p>  | <p>Light-off</p>  |
| Transmitting | Transmitting |
| <p>Light-on</p>  | <p>Light-on</p>  |

Remark :

The inner resistance will be > 47K Ohm when the contact of this product is OFF. If you needed to change the resistance, please contact with our technical department.