

Magnetic Contact

Part No. LC-88

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

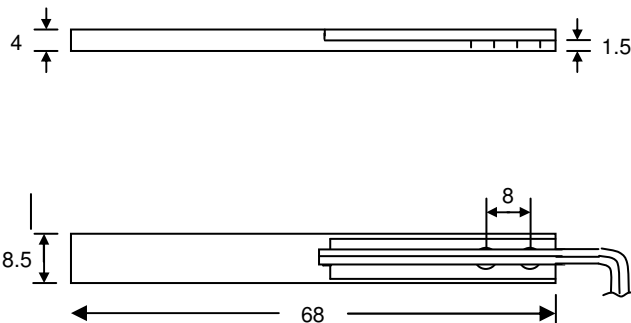
- Security equipment
- domestic appliances
- automation machines

Feature

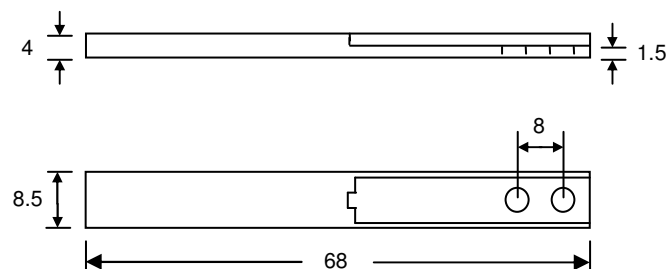
- Regular gap up to 20 mm
- Surface mount / wire leads.

Outline dimensions

Sensor :



Magnet :



Unit:mm

Magnetic Contact

Part No. LC-88

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.) | 0.2 Ohm |
| Carry current (Max.) | 0.1 A |
| Breakdown voltage | 150 VDC |
| Insulation resistance (Min.) | 100 Mohm |
| Switch cycle | 5×10 ⁷ cycle at 30V 0.05ADC |

Magnet

| | |
|------------------------------------|---------------------|
| Material | Anisotropic ferrite |
| Residual flux density (Br) | 11.8~12.5 KGauss |
| Maximun energy product (BH) (Max.) | 33~36 MG.Oe |
| Curie temperature (Tc) | 310℃ |

Gap

| | |
|------------------|------|
| Sense gap (Min.) | 20mm |
|------------------|------|

Physical characteristic

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