

Magnetic Switch

SEN0387

Product Overview

6/21/2022

For the most up-to-date information, visit www.mouser.com or the supplier's website.

Description

DFRobot Magnetic Switch is comprised of an inducting end and trigger. The trigger has a reed switch enclosed inside and a cable connected to it. The inducting end is a magnet enclosed within a plastic case. When the distance between the inducting end and trigger is smaller than 1cm, the reed switch will be connected, by which the position change of an object can be detected for realizing functions like travel controlling, and position-limitation protection.



The magnetic switch features reliable performance, a long life span, low power consumption, a wide voltage range, and a high operating frequency. This switch can be used in the applications such as door/window position limiting devices, intelligent toilets, car/electrical bike anti-theft, and smart homes.

Features

- Long life span
- Low power consumption
- Wide voltage range
- High operating frequency

Specifications

- 6mm x 14mm x 23mm dimensions
- NO/NO+NC output mode
- 0V to 380V DC/AC power voltage
- 1W contact rating
- $\leq 50\text{mA}$ load current

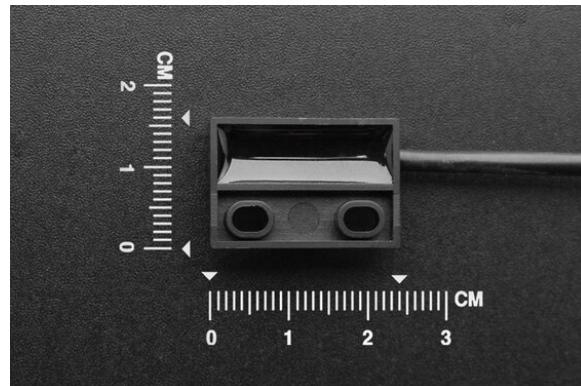
Specifications

- -10°C to 70°C operating temperature range
- 25% to 95% operating humidity range
- 200Hz switching frequency
- 1000V/AC 50/60HZ 60S withstand voltage
- $\geq 50M\Omega$ (500V_{DC}) insulation resistance
- 50HZ withstand vibration
- IP67 protection grade
- PBT/ABS enclosure material

Applications

- Door/window position limiting devices
- Intelligent toilets
- Car/electrical bike anti-theft
- Smart homes

Switch Dimensions



Mouser Part Number

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To learn more, visit <https://www.mouser.com/new/dfrobot/dfrobot-magnetic-switch/>