

PSS-341011

Door/window magnetic switch Sensor

Product introduction

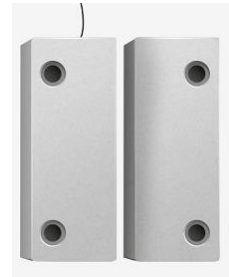
PSS-341011 Doors, windows, cabinets and magnetic switches are widely used in the field of intelligent home. Door magnetism is used to detect whether doors, windows, drawers, etc. are illegally opened or moved. Non-contact magnetic field monitoring, safer and more hidden.

Detection principle

Using the principle of a non-contact magnetic field. The magnetic switch is mainly composed of a switch and magnet. The switch part is connected with the reed switch through a lead and is formed and encapsulated. The magnet portion responds to the magnetic field strength and is encapsulated in a plastic or alloy housing. When the two are separated or close to a certain distance, the switch opens and closes, to sense the change of object position.

Product features

- ❖ Non-contact thermal stress
- ❖ Sensing distance 20mm ~ 30mm
- ❖ Normally open and normally closed conversion
- ❖ Easy installation, concealment and flexibility
- ❖ Sensitive induction and strong anti-interference



Product parameters

Parameters	
Sensing distance	20mm - 30mm
Switch form	Normally closed, normally open, switching
Maximum load	10W, 100V, 0.5A
Warranty	
Warranty period	1year
Mechanics	
Working temperature	- 30°C~60°C
Relative humidity	≤95%
Shell material	Zinc alloy, silver gray
Size	49 * 19 * 10mm (customizable)
Power	
Working current	0.25mA
Operating voltage	100V
Power	3W

Application

A door magnet is common safety protection and alarm device in daily life. Door magnetism is mainly used to test whether windows, doors, cabinets, drawers, etc. are illegally moved or opened. Door magnets are used in the security industry, electric power, telecommunications, banks, companies, warehouses, schools, residential areas, houses, factories, and many other places that need door and window protection.

Ordering Guide

- ❖ PSS-341011 sensor is a sensor only, it needs to use with WxS terminals to combine to different product series; On the basis of the combination, multiple PSS sensors can be loaded through the Multiple Purpose Interface (MPI) of the intelligent IoT terminal.
- ❖ According to the specific scenario of use case, the enclosure and antenna of intelligent IoT terminal will be replaced to ensure the product quality and performance.
- ❖ PSS sensors can be integrated with the WxS terminal via the MPI interface to form different product series.
- ❖ Example of products are as follows:
 - WxS7800-341011 WiFi Series Door/window magnetic switch Smart Sensor & RTU 2-in-1 Terminal
 - WxS8800-341011 LoRaWAN Series Door/window magnetic switch Smart Sensor & RTU 2-in-1 Terminal
 - WxS9800-341011 NB-IoT (China) Series Door/window magnetic switch Smart Sensor & RTU 2-in-1 Terminal
 - WxS9900-341011 NB-IoT (Global) Series Door/window magnetic switch Smart Sensor & RTU 2-in-1 Terminal
 - WxSC800-341011 LTE Cat1 Series Door/window magnetic switch Sensor
 - WxSC900-341011 LTE Cat1 w/GPS Series Door/window magnetic switch Smart Sensor & RTU 2-in-1 Terminal
 - WxSD800-341011 LTE Cat4 Series Door/window magnetic switch Smart Sensor & RTU 2-in-1 Terminal
 - CxS1800-341011 Ethernet (RJ45) Series Door/window magnetic switch Smart Sensor & RTU 2-in-1 Terminal