

# Magnetic Reed Switch (Y213)



## Introduction :

Magnetic Reed Switch (Y213) is a dry-reed switch that has been hermetically sealed in a gas-filled glass envelope.

It features single pole, single throw, normally open contacts.

The switching mechanism of the Magnetic Reed Switch (Y213) is composed of two ferromagnetic blades, separated by only a few microns. When a magnet approaches these blades, the two blades are pulled towards each other. Upon contact, the blades close, allowing electricity to flow.

## Features:

- Length: 14mm.
- Diameter: 2mm.
- Total length : 45mm.
- Maximum switching voltage : 300 VDC.
- Minimum breakdown voltage : 150 VDC.
- Maximum operating frequency : 400 HZ.

## **Application :**

- Security alarms.
- Telephone technology.
- Household appliances.
- Window and door magnetic switching alarm.

## Y213 Reed Switch Magnetic Normally Open

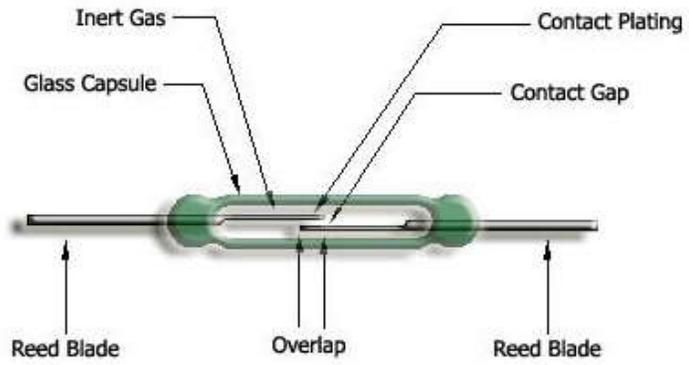
- Single pole, single throw, normally open contacts
- Hermetically sealed in a gas-filled glass envelope
- Done with an electro-magnet
- Can be placed alongside a coil and actuated

## **DESCRIPTION**

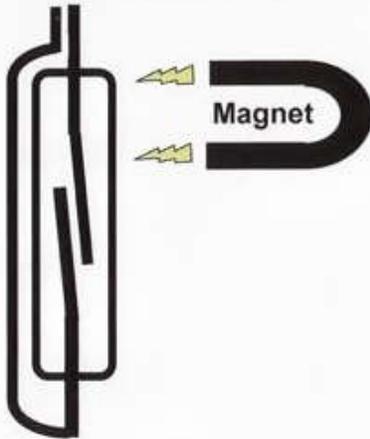
- These dry-reed switches have been hermetically sealed in a gas-filled glass envelope.
- Actuation is done with an electro-magnet, a permanent magnet or a combination of both.
- If you prefer, they can be placed alongside a coil and actuated when a current is applied to the coil.
- They feature single pole, single throw, normally open contacts.
- Please note when bending or cutting the leads be careful not to put any stress on them as this will break the hermetic seal.

## **FEATURES**

- Glass : Length: 14mm
- Glass : Diameter: 2mm
- Total length : 45mm
- Maximum switching voltage : 300 VDC
- Minimum breakdown voltage : 150 VDC
- Maximum contact rating : 10W
- Maximum switching current : 0.55 A
- Maximum operate time : 0.45 ms
- Bounce time : 0.25 ms
- Maximum release time : 0.35 ms
- Resonant frequency : 5000 HZ
- Maximum operating frequency : 400 HZ
- Pull in value : 20-70 AT
- Minimum drop out value : 4 AT
- Maximum contact capacitance : 0.5 pF
- Electrical Life: 50mV-10<sup>7</sup>A-1x10<sup>6</sup>



**"Open" Reed Switch  
Wires Will Not Conduct**



**"Closed" Reed Switch  
Wires Will Conduct**

