

BP2 Series

Cylindrical Reed Sensor



BP2 Series cylindrical reed sensor is a sensor that suits most of the applications which can be used as on/off control switch, proximity sensor, motion sensor, position detection sensor etc. The compact size of this sensor makes it easy for installation, it can also be threaded housing such as M08, M12 and M18 etc. Furthermore, BST can provide customized solution for cable and connector according to customer's demand.

BP2 Series cylindrical reed proximity sensor is available in Normally open, Normally closed and Changeover form.

Key Features:

No standby power requirement

Multiple magnetic field sensitivity range

High stability, high reliability, high consistency

Customers can customize magnet material, wire, terminal etc

Major application:

Home appliance and white goods

Fitness equipment

Agriculture machines

| Electrical Data | | | | |
|-------------------------|---------------|-----------------|------------|----------|
| Items | Normally Open | Normally Closed | Changeover | Unit |
| Rated Powe(max) | 100 | 10 | 10 | W |
| Switch Voltage(max) | 200 | 200 | 200 | V |
| Switch Current(max) | 1 | 0.5 | 0.5 | A |
| Carry Current(max) | 2.5 | 1 | 1 | A |
| Contact Resistance(max) | 0.2 | 0.2 | 0.2 | Ω |
| Breakdown Voltage(min) | 400 | 250 | 250 | V |

| Mechanical Data | |
|------------------|-----------------------------------------|
| Housing Material | PA/PET optional |
| Housing Form | Cylindrical/Threaded(M6,M8,M10,M12 etc) |
| Housing Color | Black/White/Red |
| Cable Material | PVC |
| Operating Temp | -40°C-80°C |

Reference Drawing (Different sizes are available, please contact BST for more sensor information)

