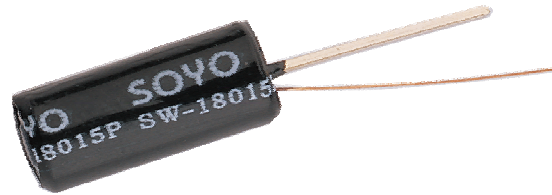


Product Details specification

| Model | Date | Page |
|---------------------------------------|-----------|------|
| Vibration Sensor switch SW-18015P/20p | 2011-2-18 | 8-1 |

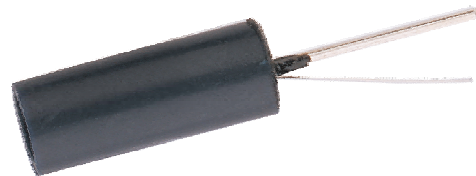
■ Function:

- 1.vibration detecting



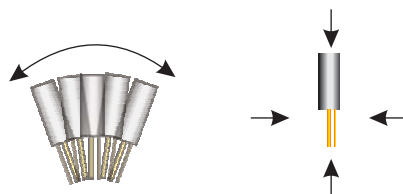
■ Applications

- 1.Security devices
- 2.toys
- 3.Electronic scales



■ Features:

- 1.SW-18015P/20p series are spring type, no directional vibration sensor trigger switch, any angle can trigger
- 2.Switch is open circuit OFF-state , when it is static, when external force to touch and corresponding vibration, or movement speed achieve adequate (partial) centrifugal force, conductive pick feet will produce instant conductivity is instant ON-state, when external force disappear, switch back to open circuit OFF-state.
- 3.Switch have the identification P at the bottom, for completely airtight;
- 4.In the normal, switch life can reach 20,0000 cycles lifespan
- 5.This series Switches have trigger high sensitivity
- 6.Apply to security devices toys electronic scales products



when external force to touch and corresponding vibration, or movement speed achieve adequate (partial) centrifugal force, conductive pick feet will produce instant conductivity is instant ON-state

Product Details specification

| Model | Date | Page |
|---------------------------------------|-----------|------|
| Vibration Sensor switch SW-18015P/20p | 2011-2-18 | 8-2 |

■ Electrical characteristics:

| | | |
|---|--------------------|----------|
| 1 | Voltage: | <12V |
| 2 | Current: | <50mA |
| 3 | Conductive time: | 2ms |
| 4 | Closed resistance: | <30 ohm |
| 5 | Open resistance: | >10M ohm |

■ Mechanical characteristics:

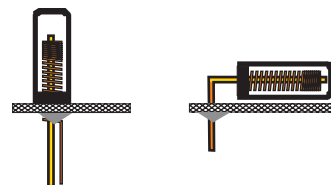
| | | |
|---|-------------------------|--|
| 1 | Temperature range: | Storage: -40°C to 85°C, Operating: -25°C to 85°C |
| 2 | Pull force of terminal: | 500gf for 1 minute |
| 3 | Humidity: | 95% RH, 40°C for 96 hours |
| 4 | Operating lifespan: | above 50000 hours |

■ Bill of material:

| | | |
|---|-----------------------|--------------------------|
| 1 | Housing: | ABS777D |
| 2 | Guide pin: | Brass pin, gold-plated |
| 3 | Spring: | / Phosphorus copper wire |
| 4 | Sealing glue: | Epoxy resin |
| 5 | Heat shrinkable tube: | PET, black/gray |

■ Welding characteristics

Solder tin, tin content 100%
 Welding Temperature: 280°C ± 10
 Welding time: 2-2.5 seconds
 Do not use strong acid alkali flux



Installation Position

■ Packaging:

500PCS/bag (PVC Plastic)

Product Details specification

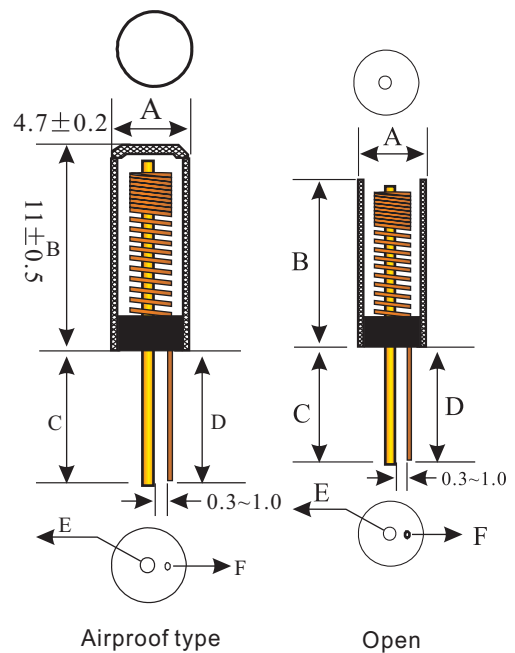
| | | |
|---------------------------------------|-----------|------|
| Model | Date | Page |
| Vibration Sensor switch SW-18015P/20p | 2011-2-18 | 8-3 |

■ SIZE

Unit=mm

| 型号 | A | B | C | D | E | F | Sensitivity | Encapsulation |
|-----------|-----|----|---|---|-----|------|-------------|---------------|
| SW-18015P | 4.6 | 11 | 8 | * | 0.6 | 0.15 | Sensitivity | Airproof |
| SW-18015 | 4.5 | 10 | 8 | * | 0.6 | 0.15 | Sensitivity | open |
| SW-18020P | 4.6 | 11 | 8 | * | 0.6 | 0.20 | Standard | Airproof |
| SW-18020 | 4.5 | 10 | 8 | * | 0.6 | 0.20 | Standard | Open |

*D=8-13MM



■ Note

- 1.If the product used for high security products and durability of extremely high equipment (such as life safety equipment, aviation facilities, disaster prevention device), please confirm whether a share, can seek advice our company for details
- 2.In case of fire, Please do not overload applicable,
- 3.The welding temperature or time more than standard, can cause switch collapse
- 4.Do not use water solubility flux. May cause damage to the switch
- 5.Do not use solvent wash switch
- 6.This switch conduction rate of 98% (conductivity rate per 100 times value switch actions, can good conduction ratio)