

Product Details specification

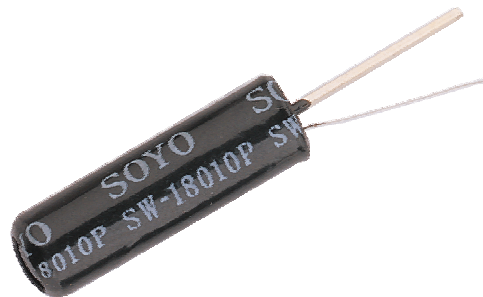
Model	Date	Page
Vibration Sensor switch(high sensitive) SW-18010P	2011-2-18	8-1

■ Function:

- 1.vibration detecting

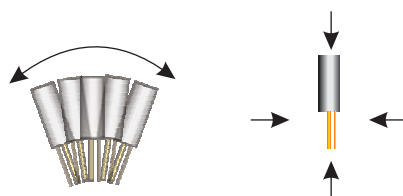
■ Applications

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



■ Features:

- 1.SW-18010P 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



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Vibration Sensor switch(high sensitive) SW-18010P	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:

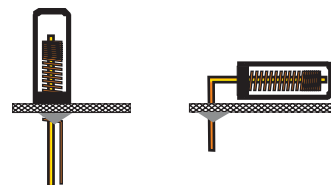
1	Temperature range:	Storage: -40℃ to 85℃, Operating: -25℃ to 85℃
2	Pull force of terminal:	500gf for 1 minute
3	Humidity:	95% RH, 40℃ for 96 hours
4	Operating lifespan:	above 50000 hours

■ Bill of material:

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

■ Welding characteristics

Solder tin, tin content 100%
 Welding humidity: 260℃ ± 10
 Welding time: 2-2.5 seconds
 Do not use strong acid alkali flux



Installation Position

■ Packaging:

500PCS/bag (PVC Plastic)

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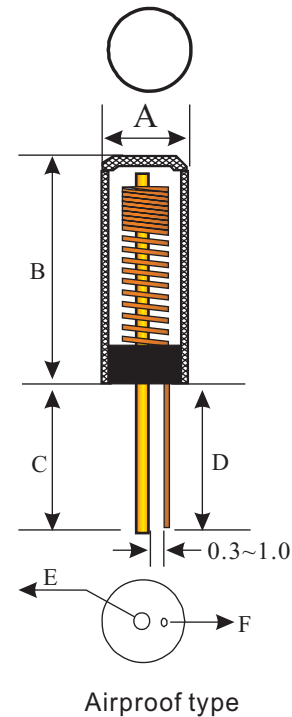
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Vibration Sensor switch(high sensitive) SW-18010P	2011-2-18	8-3

■ SIZE

Unit=mm

型号	A	B	C	D	E	F	Sensitivity	Encapsulation
SW-18010P	4.8	15.5	8	*	0.6	0.15	High	Airproof
SW-18010	4.5	14	8	*	0.6	0.15	High	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)