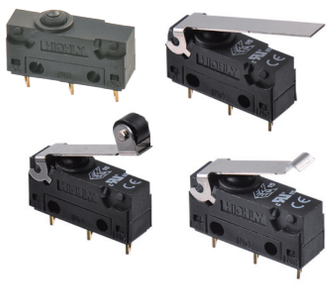
SR0 SNAP ACTION SWITCH



Features

- Coil spring design, long mechanical life.
- Several lever options, easy to install.
- Excellent water proof,suitable for special ambient application.
- Sensitive snap action switch, suitable for quick response application.

Applications

- Automotive Door Latch, Steamer, Telephone, Air Conditioner, Humidifier, Alarm, Security Device, Chopper & Mixer, Solder Gun, Desk Telephone, Fax Machine, Joystick, Water Pump, Money Sorter, Food Processor, Electric Knife, Juice Maker, etc.

Specifications

Electrical Characteristics	
Rating	6A 125V AC / 250V AC 0.1A 24 V DC
Insulating Resistance	100MΩ Min (at 500 VDC)
Dielectric Strength	AC 1000V (50/60 Hz for 1 minute)
Contact Resistance	50mΩ Max. (Initial)
Mechanical Characteristics	
Operating Frequency	Mechanical:max. 120 operations/minute. Electrical:max. 30 operations/minute.
Operating Speed	0.5mm to 500mm/s (pin plunger models)
Vibration	10 to 55Hz, 1.5 mm double amplitude
Operating Life	Electrical: 200,000 cycles.(at 0.1A 24VDC) Mechanical: 1,000,000 cycles.
Climatic Characteristics	
Degree of Protection	IP67 (Excluding the terminals)
Operating Temperature	-40˚C ~ +105˚C
Operating Humidity	95% max. (for 5°C to 35°C)
Electrical Shock Class	Class II (UL 61058-1)

Product Selection

SR0-□ □□ □

1 2 3

1.CONTACT

0: Silver Alloy Contact.
1: Contact Gold Plated.

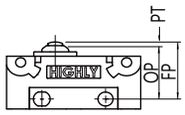
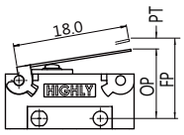
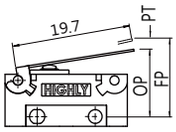
2.ACTUATOR TYPE

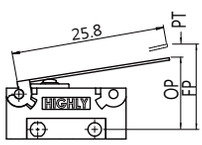
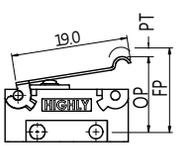
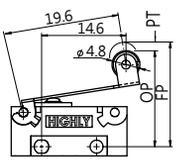
00: Pin Plunger
01: Short Lever
02: Middle Lever
03: Longer Lever
04: Simulated roller leaf lever
05: Wheel Lever

3. TERMINAL TYPE

A: Solder
P: PCB

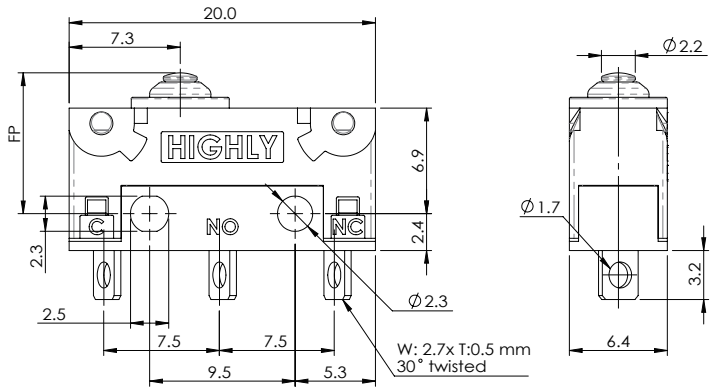
Operating Characteristics

Actuator Type	00 Pin Plunger	01 Short Lever	02 Middle Lever
			
Operating Force max.	200gf	80gf	75gf
Pretravel max.	1.0mm	4.5mm	4.5mm
Overtravel min.	0.6mm	1.5mm	1.5mm
Movement Differential max.	0.1mm	0.5mm	0.6mm
Free Position max.	9.3mm	13.7mm	14.2mm
Operating Position	8.4±0.5mm	10.8±1.7mm	11.0±1.8mm

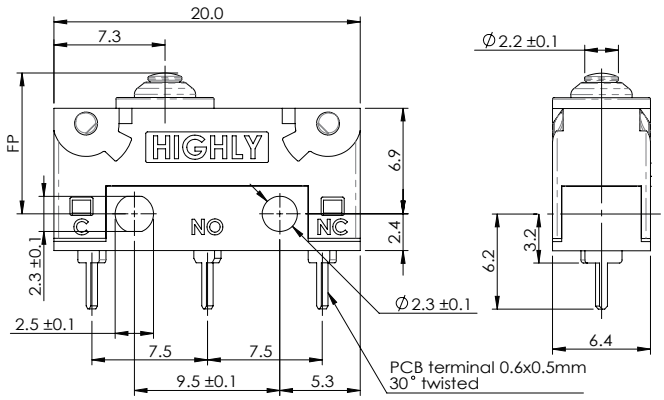
Actuator Type	03 Longer Lever	04 Simulated roller leaf lever	05 Wheel Lever
			
Operating Force max.	60gf	80gf	75gf
Pretravel max.	4.5mm	4.5mm	4.5mm
Overtravel min.	1.5mm	1.5mm	1.5mm
Movement Differential max.	0.8mm	0.5mm	0.6mm
Free Position max.	16.2mm	15.0mm	19.5mm
Operating Position	12.0±2.5mm	12.2±1.6mm	16.6±1.6mm

Outline Dimension

Terminal
(A) : Solder Type

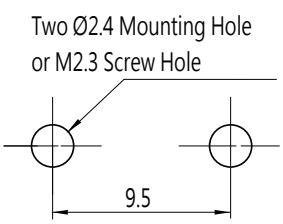


Terminal
(P) : P.C.B Type



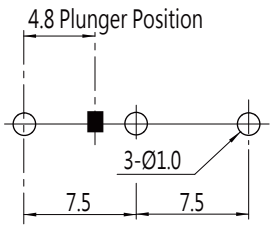
Mounting

Use M2.3 mounting screws with plain washers or spring washers to securely mount the switch.
Tighten the screws with torque of 0.23 to 0.26 N•m {2.3 to 2.7 kgf •cm}
Overforce of torque may result in deterioration of the sealing or damage.



P.C.B Layout

To solder the lead to the terminal, apply a soldering iron rated at 60 W max. (temperature of soldering iron:360°C max.) for no more than 5 seconds.



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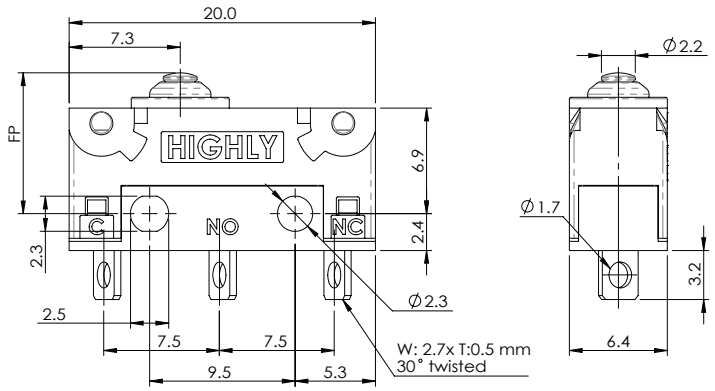

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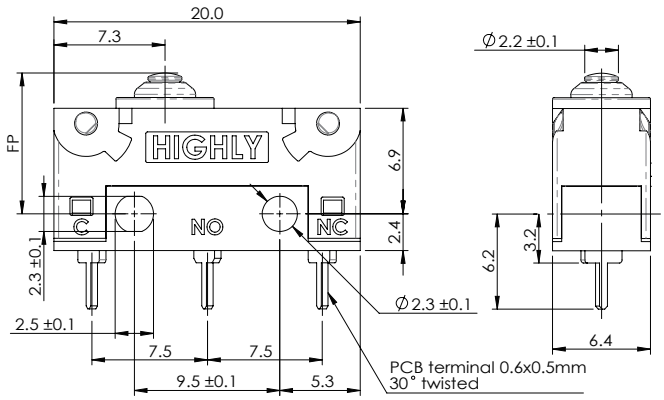

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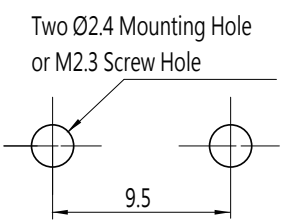

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