

»Features

- Reliability is excellent.
- It's having long life and more operating force can be applied such as lightly force.
- Good feeling and more levers are applied.

»Applications

- Joystick, TV game, Time recorder, Air conditioner, Food processor, Juice maker, Alarm, Mixer, Shredder machine, etc.

»Specifications

Electrical Characteristics	
Rating	5A 250V AC or 125V AC, 0.1A 24V DC UL 61058-1, IEC61058-1, CSA C22.2
Insulating Resistance	100MΩ Min (at 500 VDC)
Dielectric Strength	AC 500V (50/60 Hz for 1 minute)
Contact Resistance	30mΩ 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: 100,000 cycles. Mechanical: 1,000,000 cycles.
Climatic Characteristics	
Degree of Protection	IP40 (Excluding the terminals)
Operating Temperature	-25°C ~ +105°C
Operating Humidity	95% max. (for 5°C to 35°C)

»Operating Characteristics

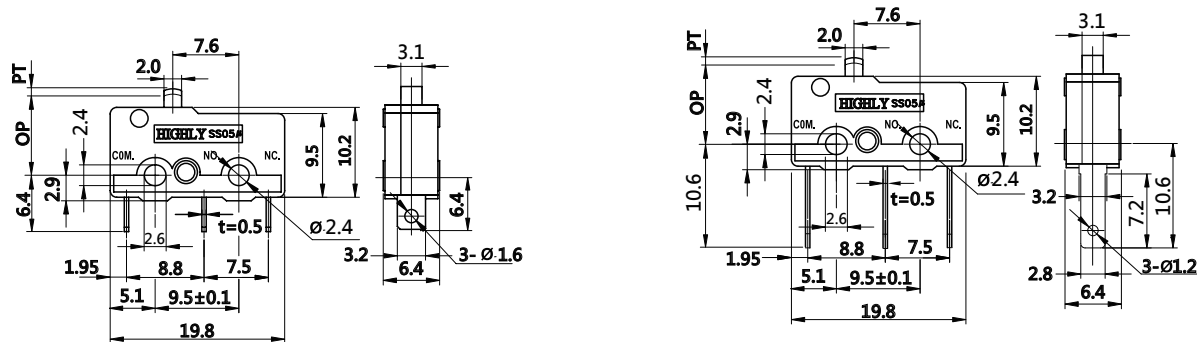
Actuator Type	00 Pin Plunger	01 Short Hinge Lever	02 Hinge Lever
Operating Force max.	240gf	55gf	55gf
Pretravel max.	0.9mm	3.3mm	3.8mm
Overtravel min.	0.4mm	1.4mm	1.4mm
Movement Differential max.	0.4mm	1.0mm	1.2mm
Releasing Force min.	20gf	10gf	8gf
Operating Position	8.4±0.5mm	8.8±0.8mm	8.8±1.0mm
Actuator Type	03 Long Hinge Lever	04 Simulated roller leaf lever	05 Short Hinge Roller Plunger
Operating Force max.	45gf	55gf	55gf
Pretravel max.	5.2mm	3.8mm	3.3mm
Overtravel min.	1.6mm	0.5mm	0.8mm
Movement Differential max.	1.6mm	0.8mm	0.8mm
Releasing Force min.	5gf	10gf	10gf
Operating Position	8.8±1.2mm	10.7±0.8mm	14.5±0.8mm

» Outline Dimension

Terminal

(A) : Solder Type

(C2) : Quick Connect (#110) Type

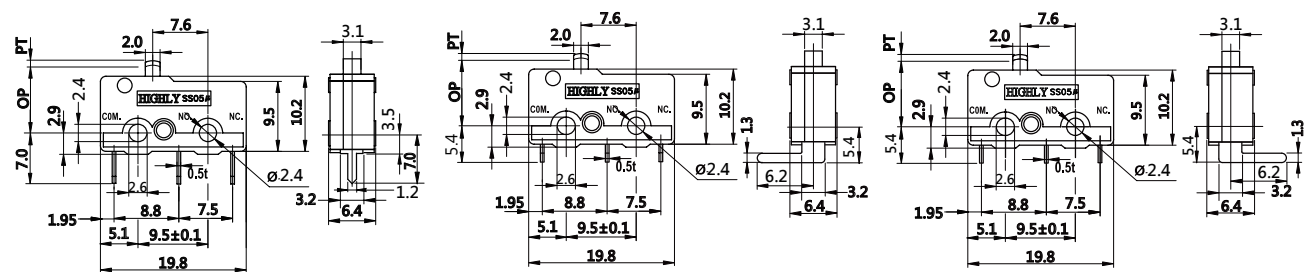


Terminal

(P) : P.C.B Type

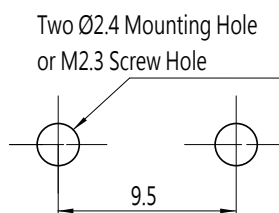
(CL) : P.C.B Type

(CR) : P.C.B Type



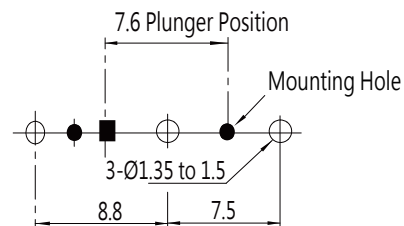
» Switch Mounting

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.



» Contact Form & Common Terminal Position

Contact Form	_ : SPDT	2 : SPST-NC	3 : SPST-NO
Common Terminal Position	button 	button 	button