



» 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, Mixer & Chopper, Solder Gun, Neon Phone, Fax Machine, Joystick, Water Pump, Money Sorter, Food Processor, Electric Knife, Juice Maker.

» 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/min. Electrical:max. 30 operations/min.
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. 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 Contact

2.ACTUATOR TYPE

00: Pin Plunger

01: Short Lever

02: Middle Lever

03: Longer Lever

04: Convex Lever

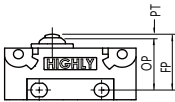
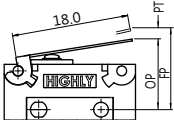
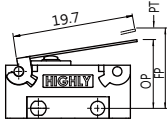
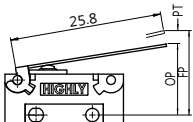
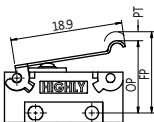
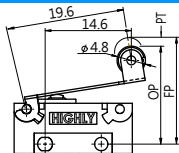
05: Wheel Lever

3. TERMINAL TYPE

A: Solder

P: PCB

» Operating Characteristics

Actuator Type	00 Pin Plunger	01 Short Lever	02 Middle Lever
			
Operating Force max.	200g	80g	75g
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 Convex Lever	05 Wheel Lever
			
Operating Force max.	60g	80g	75g
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

HIGHLY

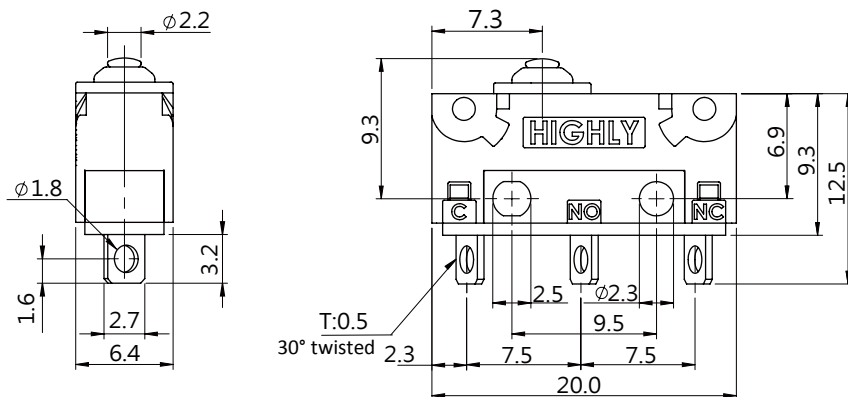
B19

Design, specifications are subject to change without notice.

» **Outline Dimension**

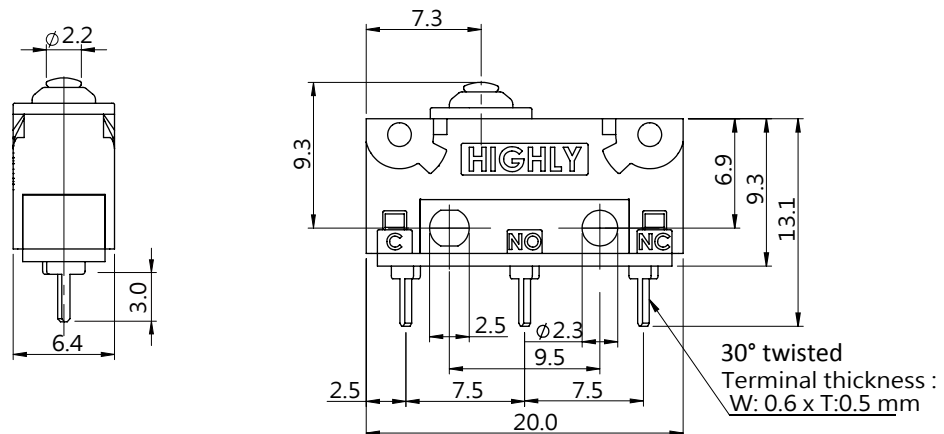
Terminal

(A) : Solder Type



Terminal

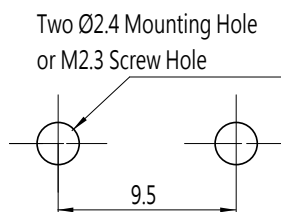
(P) : P.C.B Type

» **Mounting**

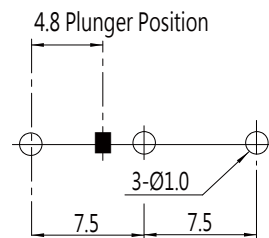
Use M2.3 mounting screws with plain washers or spring washers to securely mount the switch.

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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- 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,3D Printer,Air Conditioner,Medical Equipment,Electric Car Paint Spray Gun,Solder Gun,Neon Phone,Water Pump, Waterproof Food switch, Food Processor.

» 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	200mΩ Max. (with 300mm wire)
Mechanical Characteristics	
Operating Frequency	Mechanical:max. 120 operations/min. Electrical:max. 30 operations/min.
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. Mechanical: 1,000,000 cycles.
Climatic Characteristics	
Degree of Protection	IP67
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 4

1.CONTACT

0: Silver Contact

2. ACTUATOR TYPE

00: Pin Plunger

01: Short Lever

02: Middle Lever

03: Longer Lever

04: Convex Lever

05: Wheel Lever

3. CABLE EXIT

D: Cable, Bottom Exit. (300mm UL1015)

C: Cable, Side Exit. (Opposite Plunger) (300mm UL 1015)

L: Cable,Side Exit.(Plunger End) (300mm UL1015)

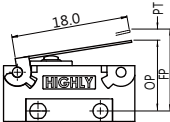
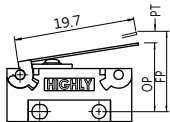
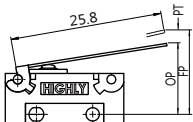
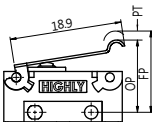
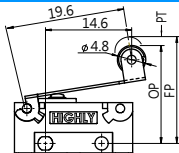
4.CIRCUIT ARRANGEMENT

1: SPDT

2: SPST NC

3: SPST NO

» Operating Characteristics

Actuator Type	00 Pin Plunger	01 Short Lever	02 Middle Lever
			
Operating Force max.	200g	80g	75g
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 Convex Lever	05 Wheel Lever
			
Operating Force max.	60g	80g	75g
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

HIGHLY

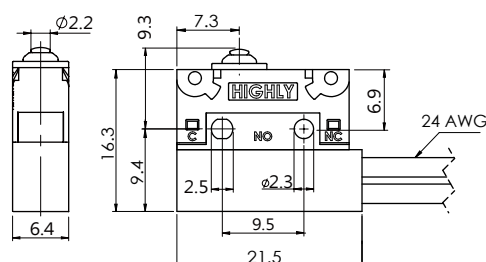
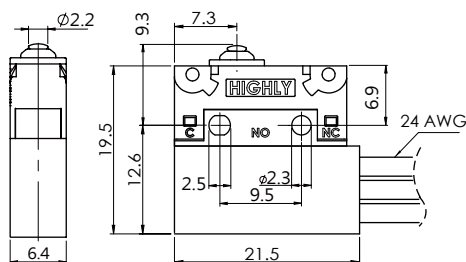
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» Outline Dimension

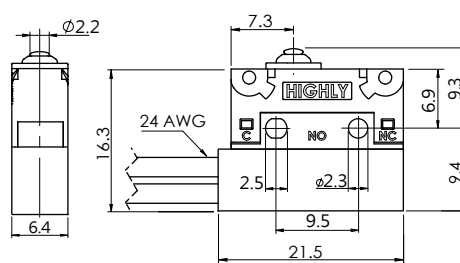
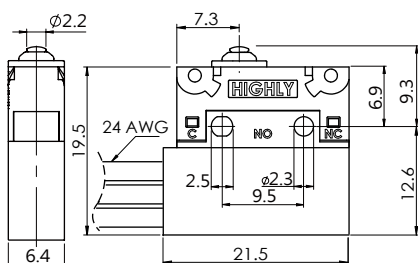
Cable, Side Exit. (Opposite Plunger)
(C1) : SPDT

(C2) : SPST NC / (C3): SPST NO



Cable, Side Exit (Plunger End)
(L1) : SPDT

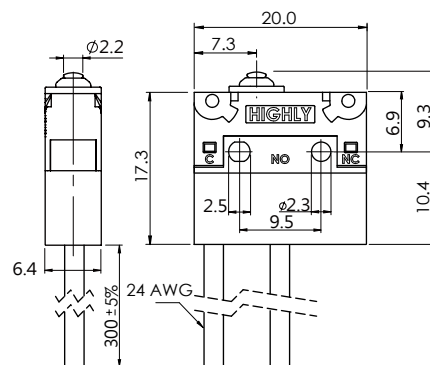
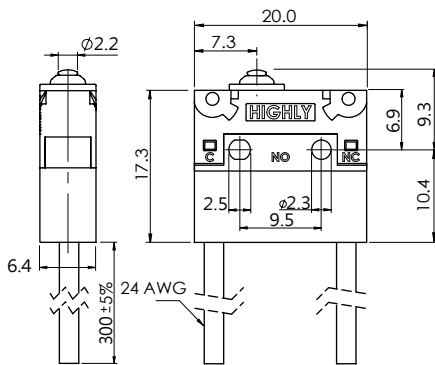
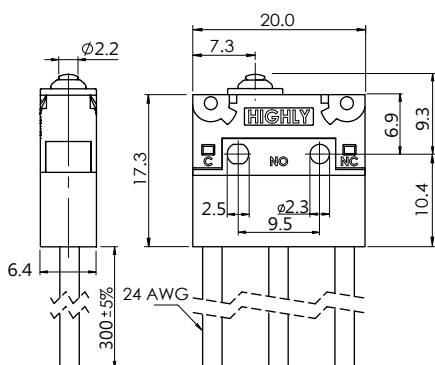
(L2) : SPST NC / (L3): SPST NO



Cable, Bottom Exit .
(D1) : SPDT

(D2) : SPST NC

(D3): SPST NO



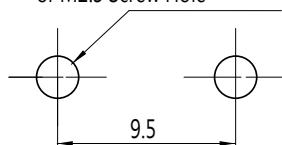
» Mounting

Use M2.3 mounting screws with plane washers or spring washers to securely mount the switch.

Tighten the screws to a 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.

Two Ø2.4 Mounting Hole
or M2.3 Screw Hole



» Circuit Arrangement

Contact form	1: SPDT	2: SPST-NC	3: SPST-NO
Common terminal position	COM NO NC Black Blue Brown	COM NC Black Brown	COM NO Black Blue