



## » 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 VDC                                                |
| 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/minute.<br>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)<br>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)                                                           |

## » Operating Characteristics

## » 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. 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

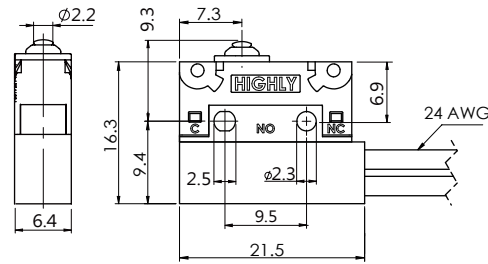
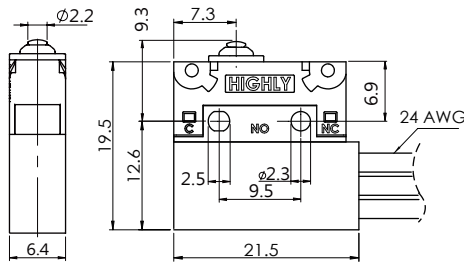
- 1: SPDT  
2: SPST NC  
3: SPST NO

| 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           | 0.6mm                          | 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

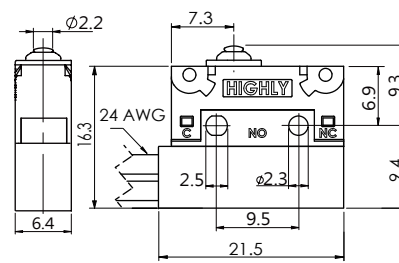
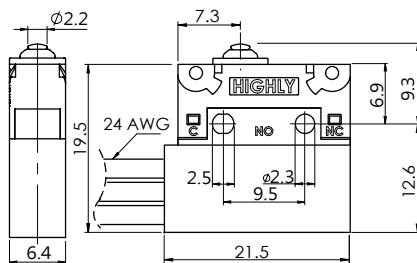
Cable,Side Exit.(Opposite Plunger)  
(C1) :SPDT

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



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

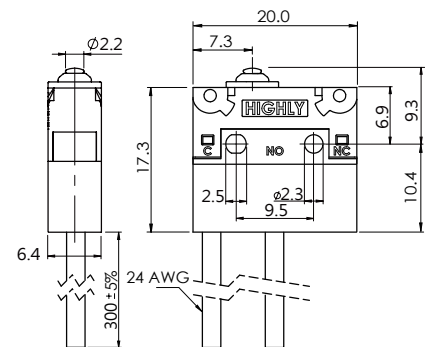
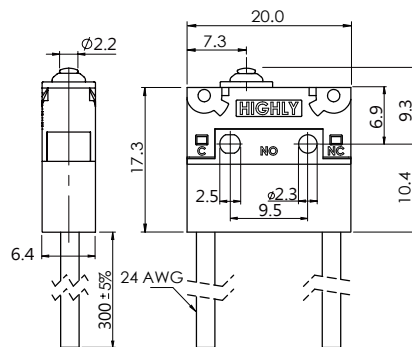
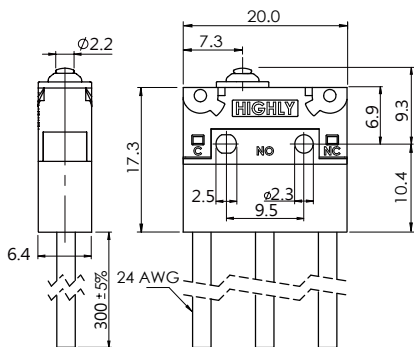
(L2) : SPST NC / (L3):SPST NO



Cable,Bottom Exit.  
(D1) :SPDT

(D2) : SPST NC

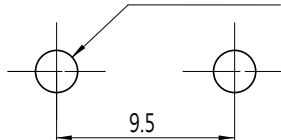
(D3):SPST NO



## »Mounting

Use M2.3 mounting screws with 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.

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<br>Black Blue Brown | COM NC<br>Black Brown | COM NO<br>Black Blue |