



**! Partly to Be Discontinued:**  
Agency standard type  
Last time buy: September 30, 2016

### Ultra-miniature Size Sealed Switches

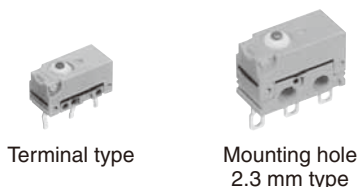
### TURQUOISE SWITCHES ABJ (BJ) SWITCHES

#### FEATURES

- Ultra-miniature size, High sealing performance sealed switches
- Elastomer double molding technology contribute to steady sealing quality
- Superior operating position precision
- Long stroke type is available

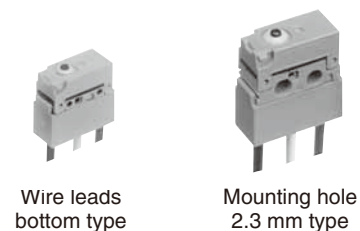
#### TYPICAL APPLICATIONS

- Electric pot
- Automotive (opening and shutting detection for doors)



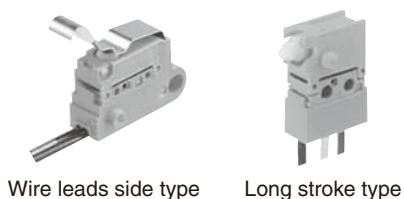
Terminal type

Mounting hole 2.3 mm type



Wire leads bottom type

Mounting hole 2.3 mm type

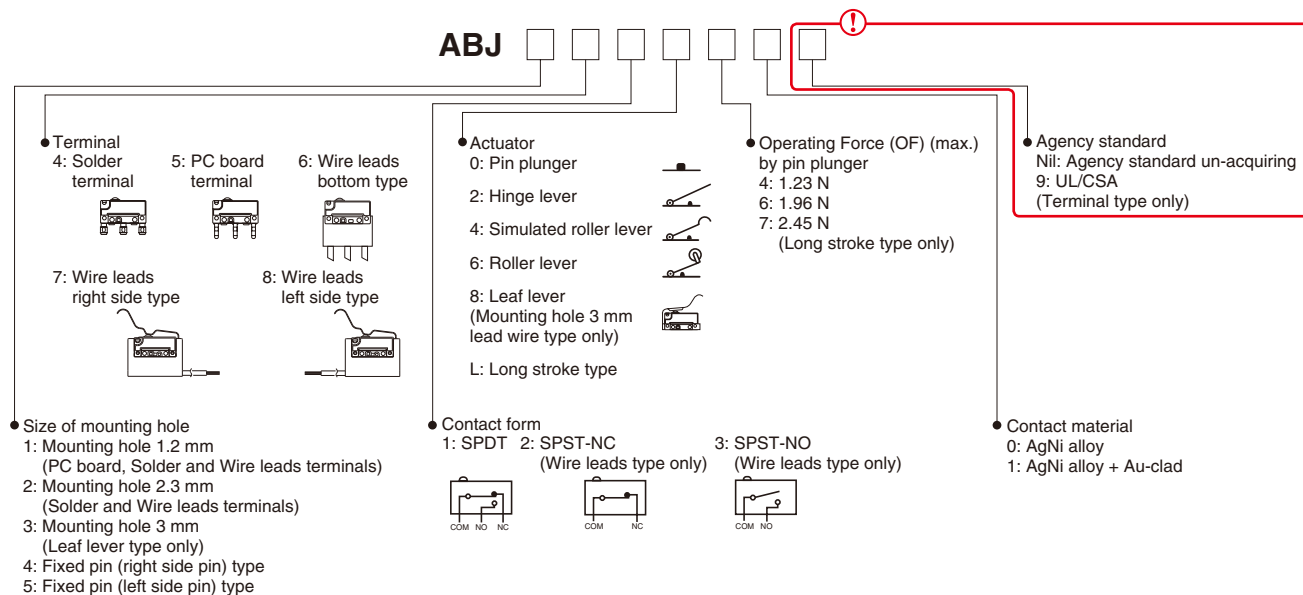


Wire leads side type

Long stroke type

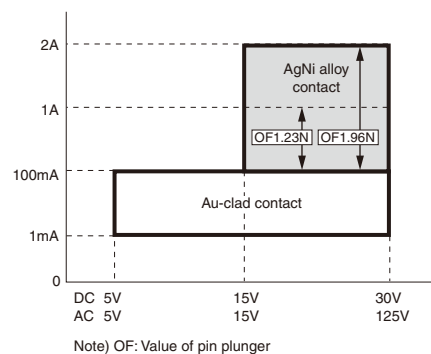
**RoHS compliant**

### ORDERING INFORMATION



Note: Not every combination is available. Please refer to the following table, "PRODUCT TYPES".

## COMBINATION OF OPERATING FORCE (OF) AND APPLICABLE CURRENT RANGE (Reference)



## PRODUCT TYPES

### ■ Terminal type: Mounting hole 1.2mm type / 2.3mm type

#### 1) AgNi alloy contact

| Actuator               | Operating Force OF Max. | Mounting hole 1.2 mm type |                   | Mounting hole 2.3 mm type |
|------------------------|-------------------------|---------------------------|-------------------|---------------------------|
|                        |                         | Solder terminal           | PC board terminal | Solder terminal           |
| Pin plunger            | 1.23 N                  | ABJ1410409                | ABJ1510409        | ABJ2410409                |
|                        | 1.96 N                  | ABJ1410609                | ABJ1510609        | ABJ2410609                |
| Hinge lever            | 0.39 N                  | ABJ1412409                | ABJ1512409        | ABJ2412409                |
|                        | 0.64 N                  | ABJ1412609                | ABJ1512609        | ABJ2412609                |
| Simulated roller lever | 0.39 N                  | ABJ1414409                | ABJ1514409        | ABJ2414409                |
|                        | 0.64 N                  | ABJ1414609                | ABJ1514609        | ABJ2414609                |
| Roller lever           | 0.39 N                  | ABJ1416409                | ABJ1516409        | ABJ2416409                |
|                        | 0.64 N                  | ABJ1416609                | ABJ1516609        | ABJ2416609                |

#### 2) AgNi alloy + Au-clad contact

| Actuator               | Operating Force OF Max. | Mounting hole 1.2 mm type |                   | Mounting hole 2.3 mm type |
|------------------------|-------------------------|---------------------------|-------------------|---------------------------|
|                        |                         | Solder terminal           | PC board terminal | Solder terminal           |
| Pin plunger            | 1.23 N                  | ABJ1410419                | ABJ1510419        | ABJ2410419                |
|                        | 1.96 N                  | ABJ1410619                | ABJ1510619        | ABJ2410619                |
| Hinge lever            | 0.39 N                  | ABJ1412419                | ABJ1512419        | ABJ2412419                |
|                        | 0.64 N                  | ABJ1412619                | ABJ1512619        | ABJ2412619                |
| Simulated roller lever | 0.39 N                  | ABJ1414419                | ABJ1514419        | ABJ2414419                |
|                        | 0.64 N                  | ABJ1414619                | ABJ1514619        | ABJ2414619                |
| Roller lever           | 0.39 N                  | ABJ1416419                | ABJ1516419        | ABJ2416419                |
|                        | 0.64 N                  | ABJ1416619                | ABJ1516619        | ABJ2416619                |

### ■ Wire leads (bottom type): Mounting hole 1.2mm type

Note: With agency standard type is not available

#### 1) AgNi alloy contact

| Actuator               | Operating Force OF Max. | Wire leads type | Wire leads type |           |
|------------------------|-------------------------|-----------------|-----------------|-----------|
|                        |                         | SPDT            | SPST-NC         | SPST-NO   |
| Pin plunger            | 1.23 N                  | ABJ161040       | ABJ162040       | ABJ163040 |
|                        | 1.96 N                  | ABJ161060       | ABJ162060       | ABJ163060 |
| Hinge lever            | 0.39 N                  | ABJ161240       | ABJ162240       | ABJ163240 |
|                        | 0.64 N                  | ABJ161260       | ABJ162260       | ABJ163260 |
| Simulated roller lever | 0.39 N                  | ABJ161440       | ABJ162440       | ABJ163440 |
|                        | 0.64 N                  | ABJ161460       | ABJ162460       | ABJ163460 |
| Roller lever           | 0.39 N                  | ABJ161640       | ABJ162640       | ABJ163640 |
|                        | 0.64 N                  | ABJ161660       | ABJ162660       | ABJ163660 |

#### 2) AgNi alloy + Au-clad contact

| Actuator               | Operating Force OF Max. | Wire leads type | Wire leads type |           |
|------------------------|-------------------------|-----------------|-----------------|-----------|
|                        |                         | SPDT            | SPST-NC         | SPST-NO   |
| Pin plunger            | 1.23 N                  | ABJ161041       | ABJ162041       | ABJ163041 |
|                        | 1.96 N                  | ABJ161061       | ABJ162061       | ABJ163061 |
| Hinge lever            | 0.39 N                  | ABJ161241       | ABJ162241       | ABJ163241 |
|                        | 0.64 N                  | ABJ161261       | ABJ162261       | ABJ163261 |
| Simulated roller lever | 0.39 N                  | ABJ161441       | ABJ162441       | ABJ163441 |
|                        | 0.64 N                  | ABJ161461       | ABJ162461       | ABJ163461 |
| Roller lever           | 0.39 N                  | ABJ161641       | ABJ162641       | ABJ163641 |
|                        | 0.64 N                  | ABJ161661       | ABJ162661       | ABJ163661 |

## ■ Wire leads bottom type: Mounting hole 2.3mm type Note: With agency standard type is not available

### 1) AgNi alloy contact

| Actuator               | Operating Force OF Max. | Wire leads type | Wire leads type |           |
|------------------------|-------------------------|-----------------|-----------------|-----------|
|                        |                         | SPDT            | SPST-NC         | SPST-NO   |
| Pin plunger            | 1.23 N                  | ABJ261040       | ABJ262040       | ABJ263040 |
|                        | 1.96 N                  | ABJ261060       | ABJ262060       | ABJ263060 |
| Hinge lever            | 0.39 N                  | ABJ261240       | ABJ262240       | ABJ263240 |
|                        | 0.64 N                  | ABJ261260       | ABJ262260       | ABJ263260 |
| Simulated roller lever | 0.39 N                  | ABJ261440       | ABJ262440       | ABJ263440 |
|                        | 0.64 N                  | ABJ261460       | ABJ262460       | ABJ263460 |
| Roller lever           | 0.39 N                  | ABJ261640       | ABJ262640       | ABJ263640 |
|                        | 0.64 N                  | ABJ261660       | ABJ262660       | ABJ263660 |

### 2) AgNi alloy + Au-clad contact

| Actuator               | Operating Force OF Max. | Wire leads type | Wire leads type |           |
|------------------------|-------------------------|-----------------|-----------------|-----------|
|                        |                         | SPDT            | SPST-NC         | SPST-NO   |
| Pin plunger            | 1.23 N                  | ABJ261041       | ABJ262041       | ABJ263041 |
|                        | 1.96 N                  | ABJ261061       | ABJ262061       | ABJ263061 |
| Hinge lever            | 0.39 N                  | ABJ261241       | ABJ262241       | ABJ263241 |
|                        | 0.64 N                  | ABJ261261       | ABJ262261       | ABJ263261 |
| Simulated roller lever | 0.39 N                  | ABJ261441       | ABJ262241       | ABJ263441 |
|                        | 0.64 N                  | ABJ261461       | ABJ262461       | ABJ263461 |
| Roller lever           | 0.39 N                  | ABJ261641       | ABJ262641       | ABJ263641 |
|                        | 0.64 N                  | ABJ261661       | ABJ262661       | ABJ263661 |

## ■ Wire leads bottom leaf lever type: Mounting hole 3mm type Note: With agency standard type is not available

### 1) AgNi alloy contact

| Actuator   | Operating Force OF Max. | Wire leads type | Wire leads type |           |
|------------|-------------------------|-----------------|-----------------|-----------|
|            |                         | SPDT            | SPST-NC         | SPST-NO   |
| Leaf lever | 0.98 N                  | ABJ361840       | ABJ362840       | ABJ363840 |
|            | 1.27 N                  | ABJ361860       | ABJ362860       | ABJ363860 |

### 2) AgNi alloy + Au-clad contact

| Actuator   | Operating Force OF Max. | Wire leads type | Wire leads type |           |
|------------|-------------------------|-----------------|-----------------|-----------|
|            |                         | SPDT            | SPST-NC         | SPST-NO   |
| Leaf lever | 0.98 N                  | ABJ361841       | ABJ362841       | ABJ363841 |
|            | 1.27 N                  | ABJ361861       | ABJ362861       | ABJ363861 |

## ■ Wire leads side type: Fixed pin (right side pin) type Note: With agency standard type is not available

### 1) AgNi alloy contact

| Actuator   | Operating Force OF Max. | Wire leads direction | Wire leads type |           |
|------------|-------------------------|----------------------|-----------------|-----------|
|            |                         |                      | SPST-NC         | SPST-NO   |
| Leaf lever | 1.27 N                  | Right                | ABJ472840       | ABJ473840 |
|            | 1.27 N                  | Left                 | ABJ482840       | —         |
|            | 1.76 N                  | Right                | ABJ472860       | ABJ473860 |
|            | 1.76 N                  | Left                 | ABJ482860       | —         |

### 2) AgNi alloy + Au-clad contact

| Actuator   | Operating Force OF Max. | Wire leads direction | Wire leads type |           |
|------------|-------------------------|----------------------|-----------------|-----------|
|            |                         |                      | SPST-NC         | SPST-NO   |
| Leaf lever | 1.27 N                  | Right                | ABJ472841       | ABJ473841 |
|            | 1.27 N                  | Left                 | ABJ482841       | —         |
|            | 1.76 N                  | Right                | ABJ472861       | ABJ473861 |
|            | 1.76 N                  | Left                 | ABJ482861       | —         |

**■ Wire leads side type: Fixed pin (left side pin) type** Note: With agency standard type is not available

## 1) AgNi alloy contact

| Actuator   | Operating Force OF Max. | Wire leads direction | Wire leads type |           |
|------------|-------------------------|----------------------|-----------------|-----------|
|            |                         |                      | SPST-NC         | SPST-NO   |
| Leaf lever | 1.27 N                  | Right                | ABJ572840       | ABJ573840 |
|            | 1.27 N                  | Left                 | ABJ582840       | —         |
|            | 1.76 N                  | Right                | ABJ572860       | ABJ573860 |
|            | 1.76 N                  | Left                 | ABJ582860       | —         |

## 2) AgNi alloy + Au-clad contact

| Actuator   | Operating Force OF Max. | Wire leads direction | Wire leads type |           |
|------------|-------------------------|----------------------|-----------------|-----------|
|            |                         |                      | SPST-NC         | SPST-NO   |
| Leaf lever | 1.27 N                  | Right                | ABJ572841       | ABJ573841 |
|            | 1.27 N                  | Left                 | ABJ582841       | —         |
|            | 1.76 N                  | Right                | ABJ572861       | ABJ573861 |
|            | 1.76 N                  | Left                 | ABJ582861       | —         |

**■ Wire leads side type: Mounting hole 3mm type** Note: With agency standard type is not available

## 1) AgNi alloy contact

| Actuator   | Operating Force OF Max. | Wire leads direction | Wire leads type |  |
|------------|-------------------------|----------------------|-----------------|--|
|            |                         |                      | SPST-NC         |  |
| Leaf lever | 1.27 N                  | Left                 | ABJ382840       |  |
|            | 1.76 N                  | Left                 | ABJ382860       |  |

## 2) AgNi alloy + Au-clad contact

| Actuator   | Operating Force OF Max. | Wire leads direction | Wire leads type |  |
|------------|-------------------------|----------------------|-----------------|--|
|            |                         |                      | SPST-NC         |  |
| Leaf lever | 1.27 N                  | Left                 | ABJ382841       |  |
|            | 1.76 N                  | Left                 | ABJ382861       |  |

**■ Wire leads bottom long stroke type: Mounting hole 2.3mm type** Note: With agency standard type is not available

## 1) AgNi alloy contact

| Actuator                 | Operating Force OF Max. | Wire leads type | Wire leads type |           |
|--------------------------|-------------------------|-----------------|-----------------|-----------|
|                          |                         | SPDT            | SPST-NC         | SPST-NO   |
| Pin plunger (Horizontal) | 2.45 N                  | ABJ261L70       | ABJ262L70       | ABJ263L70 |

## 2) AgNi alloy + Au-clad contact

| Actuator                 | Operating Force OF Max. | Wire leads type | Wire leads type |           |
|--------------------------|-------------------------|-----------------|-----------------|-----------|
|                          |                         | SPDT            | SPST-NC         | SPST-NO   |
| Pin plunger (Horizontal) | 2.45 N                  | ABJ261L71       | ABJ262L71       | ABJ263L71 |

## SPECIFICATIONS

**■ Contact rating**

|                                                       | Operating Force OF Max.          | Standard rating                 | Low-level circuit rating                    |
|-------------------------------------------------------|----------------------------------|---------------------------------|---------------------------------------------|
| AgNi alloy contact type                               | 1.76 N, 1.96 N                   | 2 A 125 V AC<br>2 A 30 V DC     | —                                           |
|                                                       | 1.23 N, 1.27 N                   | 1 A 125 V AC<br>1 A 30 V DC     | —                                           |
| Long stroke type<br>AgNi alloy contact                | 2.45 N                           | 1 A 125 V AC<br>1 A 30 V DC     | —                                           |
| AgNi alloy + Au-clad contact type                     | 1.23 N, 1.27 N<br>1.76 N, 1.96 N | 0.1 A 125 V AC<br>0.1 A 30 V DC | 5 mA 6 V DC<br>2 mA 12 V DC<br>1 mA 24 V DC |
| Long stroke type<br>AgNi alloy + Au-clad contact type | 2.45 N                           | 0.1 A 125 V AC<br>0.1 A 30 V DC | 5 mA 6 V DC<br>2 mA 12 V DC<br>1 mA 24 V DC |

## ■ Characteristics

| Item                                    |                                                     |                                   | Specifications                                                                                                                                      |
|-----------------------------------------|-----------------------------------------------------|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Expected life                           | Mechanical life (OT: Specified value)               |                                   | Leaf lever type: Min. $5 \times 10^5$ (at 60 cpm)<br>Wire leads side type: Min. $3 \times 10^5$ (at 60 cpm)<br>Other types: Min. $10^6$ (at 60 cpm) |
|                                         | Electrical life (OT: max.)                          | AgNi alloy contact type           | Min. $3 \times 10^4$ (at 20 cpm) (at rated load)                                                                                                    |
|                                         | Electrical life (OT: max.)                          | AgNi alloy + Au-clad contact type | Min. $10^5$ (at 20 cpm) (at rated load)                                                                                                             |
| Insulation resistance                   |                                                     |                                   | Min. 100 MΩ (at 500 V DC insulation resistance meter)                                                                                               |
| Dielectric strength                     | Between non-continuous terminals                    |                                   | 600 Vrms                                                                                                                                            |
|                                         | Between each terminal and other exposed metal parts |                                   | 1,500 Vrms                                                                                                                                          |
|                                         | Between each terminal and ground                    |                                   | 1,500 Vrms                                                                                                                                          |
| Vibration resistance (Pin plunger type) |                                                     |                                   | 10 to 55 Hz at single amplitude of 0.75 mm (Contact opening max. 1 msec.)                                                                           |
| Shock resistance (Pin plunger type)     |                                                     |                                   | Min. 294 m/s <sup>2</sup> (Contact opening max. 1 msec.)                                                                                            |
| Contact resistance (Initial)            | AgNi alloy contact type                             |                                   | Terminal type: Max. 50 mΩ<br>Wire lead type: Max. 100 mΩ<br>(By voltage drop 1 A 6 to 8 V DC)                                                       |
|                                         | AgNi alloy + Au-clad contact type                   |                                   | Terminal type: Max. 100 mΩ<br>Wire lead type: Max. 150 mΩ<br>(By voltage drop 0.1 A 6 to 8 V DC)                                                    |
| Allowable operating speed (at no load)  |                                                     |                                   | 1 to 500 mm/sec.                                                                                                                                    |
| Max. operating cycle rate (at no load)  |                                                     |                                   | 120 cpm (Long stroke type: 60 cpm)                                                                                                                  |
| Ambient temperature                     |                                                     |                                   | −40°C to +85°C                                                                                                                                      |
| Unit weight                             |                                                     |                                   | Approx. 0.5 g (Terminal type)                                                                                                                       |
| Protection grade                        |                                                     |                                   | IP67 (except exposed terminal part of terminal type)                                                                                                |

## ■ Operating characteristics

| Type of actuator       |                        | 8th digit of Part No. | Operating Force OF, Max. | Release Force RF, Min | Pretravel PT, Max. | Movement Differential MD, Max. | Overtravel OT, Min. | Operating Position OP                                                  |
|------------------------|------------------------|-----------------------|--------------------------|-----------------------|--------------------|--------------------------------|---------------------|------------------------------------------------------------------------|
| Pin plunger            |                        | 4                     | 1.23N                    | 0.15N                 | 0.6mm              | 0.12mm                         | 0.25mm              | Mounting hole: 1.2 type<br>5.5±0.2mm                                   |
|                        |                        | 6                     | 1.96N                    | 0.25N                 |                    |                                |                     | Mounting hole: 2.3 type<br>7.0±0.2mm                                   |
| Hinge lever            |                        | 4                     | 0.39N                    | 0.029N                | 3.0mm              | 0.5mm                          | 0.5mm               | Mounting hole: 1.2 type<br>6.8±1.0mm                                   |
|                        |                        | 6                     | 0.64N                    | 0.049N                |                    |                                |                     | Mounting hole: 2.3 type<br>8.3±1.0mm                                   |
| Simulated roller lever |                        | 4                     | 0.39N                    | 0.029N                | 3.0mm              | 0.5mm                          | 0.5mm               | Mounting hole: 1.2 type<br>9.8±1.0mm                                   |
|                        |                        | 6                     | 0.64N                    | 0.049N                |                    |                                |                     | Mounting hole: 2.3 type<br>11.3±1.0mm                                  |
| Roller lever           |                        | 4                     | 0.39N                    | 0.029N                | 3.0mm              | 0.5mm                          | 0.5mm               | Mounting hole: 1.2 type<br>13.1 ±1.0mm                                 |
|                        |                        | 6                     | 0.64N                    | 0.049N                |                    |                                |                     | Mounting hole: 2.3 type<br>14.6±1.0mm                                  |
| Leaf lever             | Wire leads bottom type | 4                     | 0.98N                    | 0.20N                 | 6.0mm              | 1.0mm                          | 2.5mm               | Mounting hole: 3.0 type<br>16.0±2.0mm                                  |
|                        |                        | 6                     | 1.27N                    | 0.29N                 | 6.0mm              | 1.0mm                          | 2.5mm               | Mounting hole: 3.0 type<br>16.0±2.0mm                                  |
|                        | Wire leads side type   | 4                     | 1.27N                    | 0.22N                 | 2.6mm              | 0.5mm                          | 1.4mm               | Fixed pin type<br>10.7±0.7mm<br>Mounting hole: 3.0 type<br>16.25±0.7mm |
|                        |                        | 6                     | 1.76N                    | 0.26N                 | 2.6mm              | 0.5mm                          | 1.4mm               | Fixed pin type<br>10.7±0.7mm<br>Mounting hole: 3.0 type<br>16.25±0.7mm |
| Long stroke type       |                        | 7                     | 2.45N                    | 0.20N                 | —                  | 0.5mm                          | 2.0mm               | 2.5±0.4mm                                                              |

Note: The OP differs between the 1.2 mm and 2.3 mm dia. mounting hole types.

## DIMENSIONS

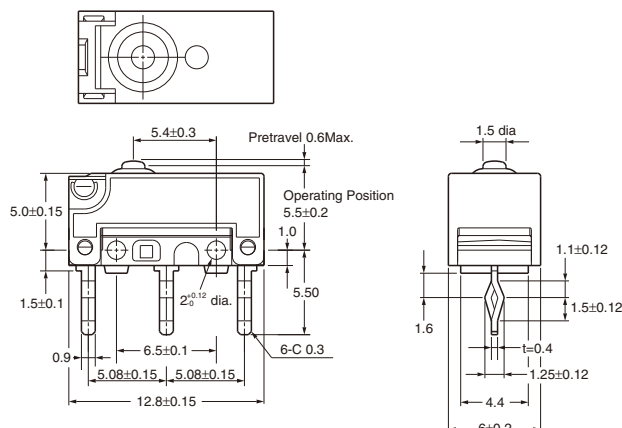
(Unit: mm) General tolerance:  $\pm 0.25$

The CAD data of the products with a **CAD Data** mark can be downloaded from: <http://industrial.panasonic.com/ac/e/>

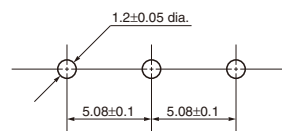
### ■ PC board terminal: Mounting hole 1.2 mm type Pin plunger

**CAD Data**

External dimensions



PC board pattern

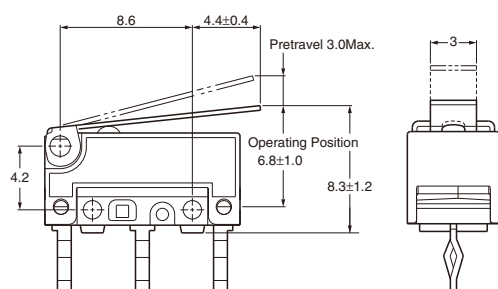


|                                |                             |                  |
|--------------------------------|-----------------------------|------------------|
| Pretravel PT, Max.             |                             | 0.6mm            |
| Movement Differential MD, Max. |                             | 0.12mm           |
| Overtravel OT, Min.            |                             | 0.25mm           |
| Operating Position OP          | Distance from mounting hole | $5.5 \pm 0.2$ mm |
|                                | Distance from stand-off     | $7 \pm 0.3$ mm   |

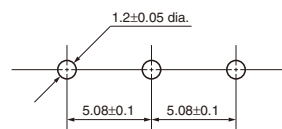
### ■ PC board terminal: Hinge lever

**CAD Data**

External dimensions



PC board pattern

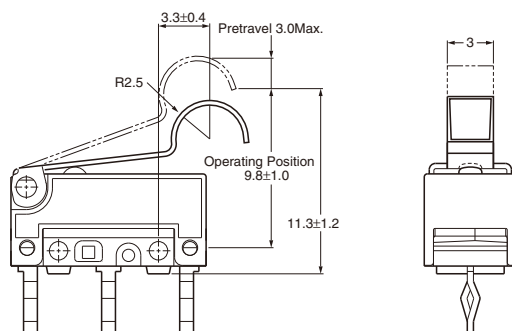


|                                |                             |                  |
|--------------------------------|-----------------------------|------------------|
| Pretravel PT, Max.             |                             | 3.0mm            |
| Movement Differential MD, Max. |                             | 0.5mm            |
| Overtravel OT, Min.            |                             | 0.5mm            |
| Operating Position OP          | Distance from mounting hole | $6.8 \pm 1.0$ mm |
|                                | Distance from stand-off     | $8.3 \pm 1.2$ mm |

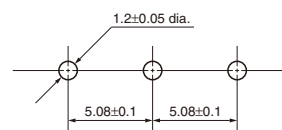
### ■ PC board terminal: Simulated roller lever

**CAD Data**

External dimensions



PC board pattern



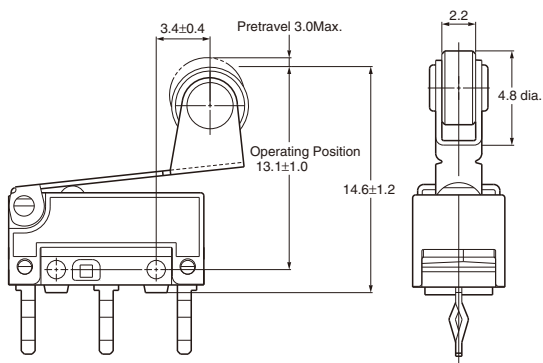
|                                |                             |                   |
|--------------------------------|-----------------------------|-------------------|
| Pretravel PT, Max.             |                             | 3.0mm             |
| Movement Differential MD, Max. |                             | 0.5mm             |
| Overtravel OT, Min.            |                             | 0.5mm             |
| Operating Position OP          | Distance from mounting hole | $9.8 \pm 1.0$ mm  |
|                                | Distance from stand-off     | $11.3 \pm 1.2$ mm |

## PC board terminal: Roller lever

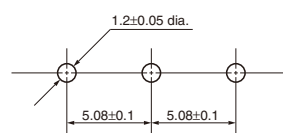
### CAD Data



### External dimensions



### PC board pattern



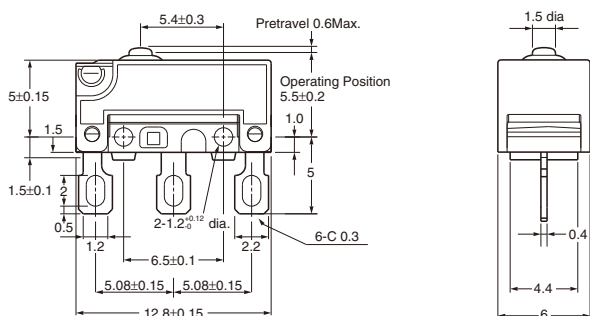
|                                |                             |            |
|--------------------------------|-----------------------------|------------|
| Pretravel PT, Max.             |                             | 3.0mm      |
| Movement Differential MD, Max. |                             | 0.5mm      |
| Overtravel OT, Min.            |                             | 0.5mm      |
| Operating Position OP          | Distance from mounting hole | 13.1±1.0mm |
|                                | Distance from stand-off     | 14.6±1.2mm |

## Solder terminal

### Mounting hole 1.2 mm type

### CAD Data

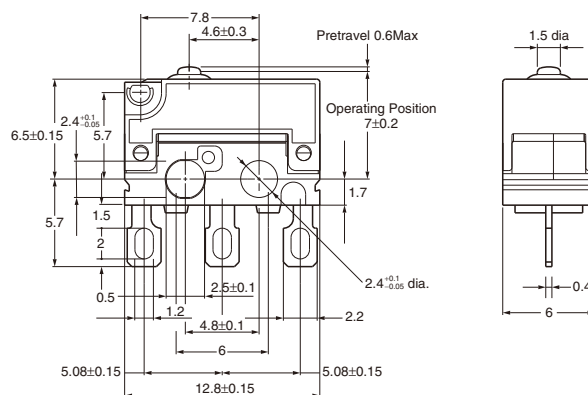
### External dimensions



### Mounting hole 2.3 mm type

### CAD Data

### External dimensions



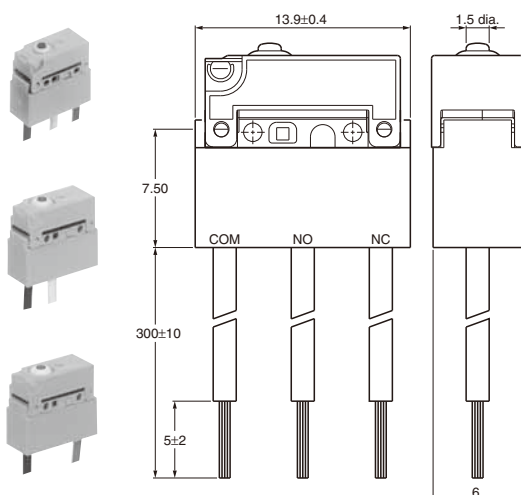
Note: Dimensions of the actuator type are the same as corresponding PC board terminal types.

## Bottom wire leads type

### Mounting hole 1.2 mm type

### CAD Data

### External dimensions

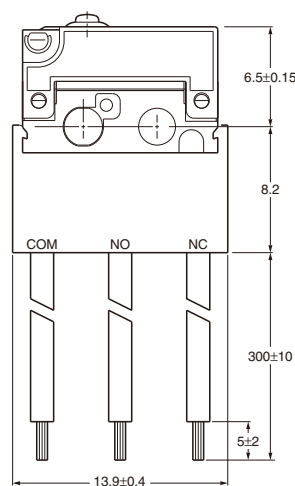


|                            |                                                 |
|----------------------------|-------------------------------------------------|
| Thickness of the lead wire | 0.3 mm <sup>2</sup> (Note 2)                    |
| Color of the lead wire     | COM ... Black<br>NC ..... Red<br>NO ..... White |

### Mounting hole 2.3 mm type

### CAD Data

### External dimensions



|                            |                                                 |
|----------------------------|-------------------------------------------------|
| Thickness of the lead wire | 0.3 mm <sup>2</sup> (Note 2)                    |
| Color of the lead wire     | COM ... Black<br>NC ..... Red<br>NO ..... White |

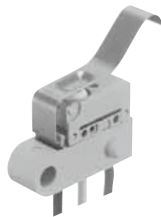
Notes: 1. Products with dimensions other than shown are similar to solder terminal type.  
Dimensions of the actuator type are the same as corresponding PC board terminal types.  
2. With UL and CSA approved products, lead wire is changed to UL compliant (AWG22).

ABJ (BJ) Turquoise Switches

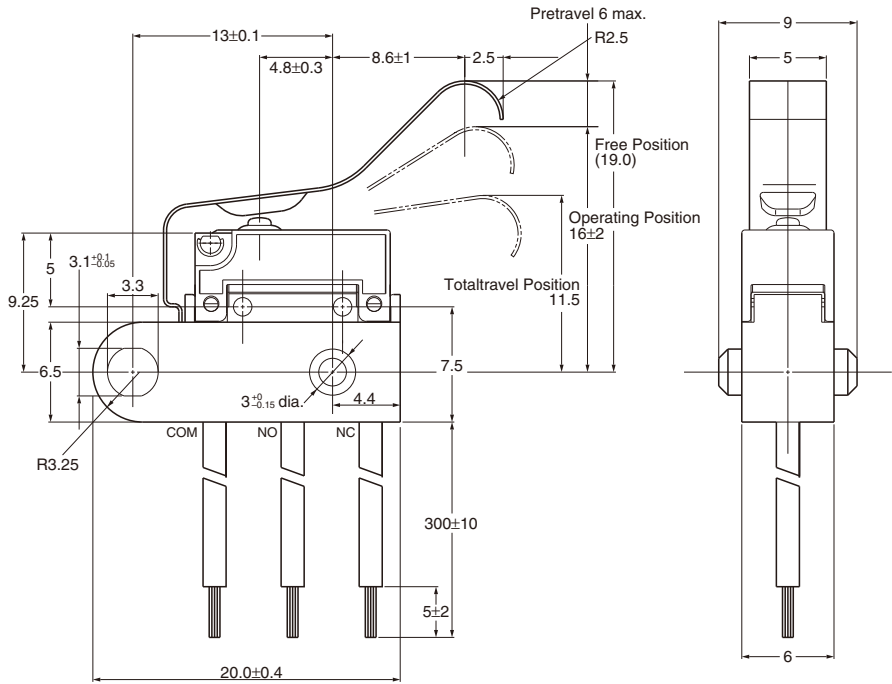
Partly to Be Discontinued: Agency standard type  
Last time buy: September 30, 2016

■ Wire leads bottom leaf lever type  
Mounting hole 3 mm type

CAD Data



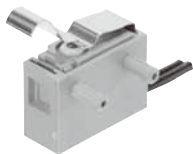
External dimensions



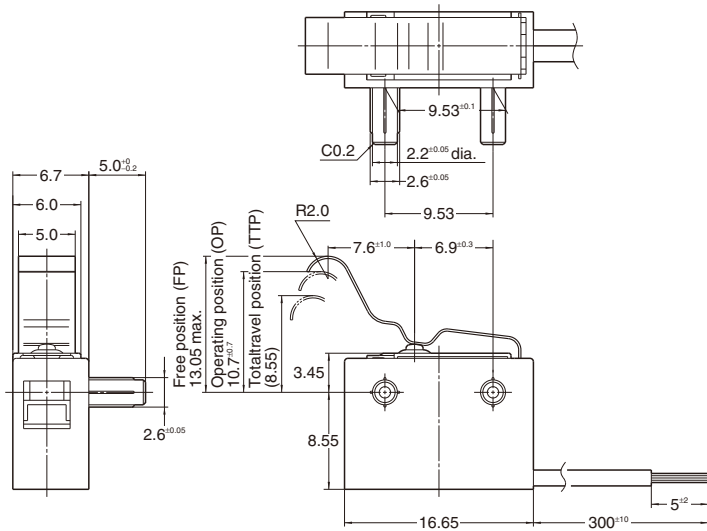
|                                |                             |            |
|--------------------------------|-----------------------------|------------|
| Pretravel PT, Max.             |                             | 6.0mm      |
| Movement Differential MD, Max. |                             | 1.0mm      |
| Overtravel OT, Min.            |                             | 2.5mm      |
| Operating Position OP          | Distance from mounting hole | 16.0±2.0mm |

■ Wire leads side type  
Fixed pin type (Right side pin)  
Wire leads right side type

CAD Data



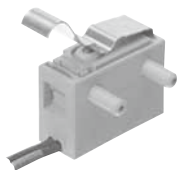
External dimensions



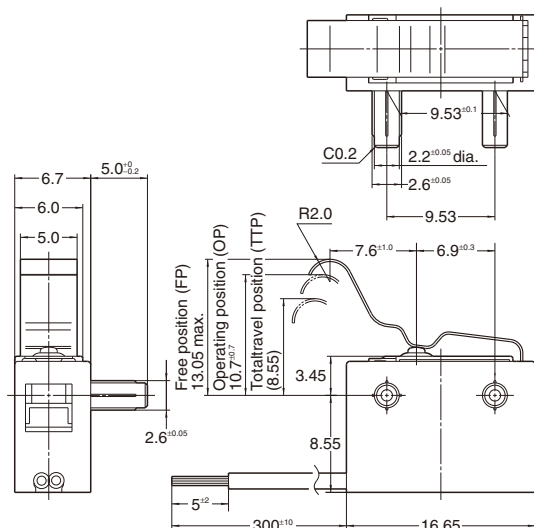
|                                |                             |            |
|--------------------------------|-----------------------------|------------|
| Pretravel PT, Max.             |                             | 2.6mm      |
| Movement Differential MD, Max. |                             | 0.5mm      |
| Overtravel OT, Min.            |                             | 1.4mm      |
| Operating Position OP          | Distance from mounting hole | 10.7±0.7mm |

## Wire leads left side type

### CAD Data



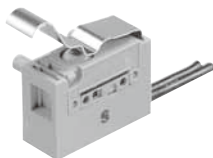
### External dimensions



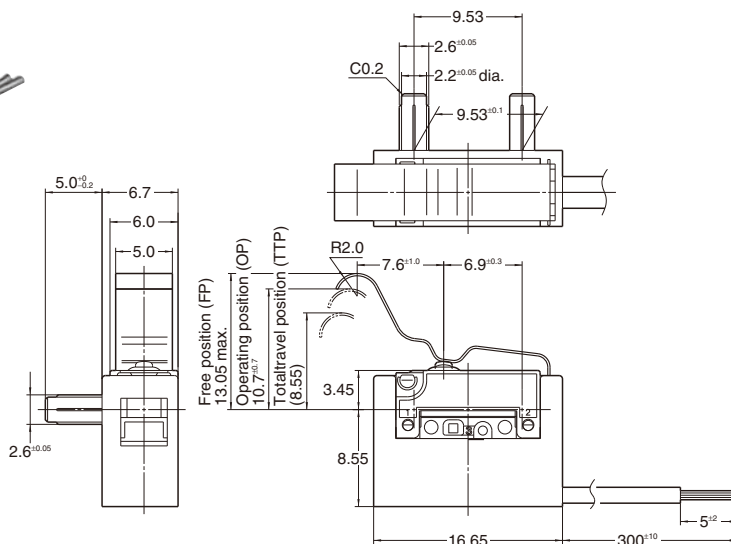
|                                |                             |
|--------------------------------|-----------------------------|
| Pretravel PT, Max. mm          | 2.6mm                       |
| Movement Differential MD, Max. | 0.5mm                       |
| Overtravel OT, Min.            | 1.4mm                       |
| Operating Position OP          | Distance from mounting hole |
|                                | 10.7±0.7mm                  |

## Fixed pin type (Left side pin) Wire leads right side type

### CAD Data



### External dimensions



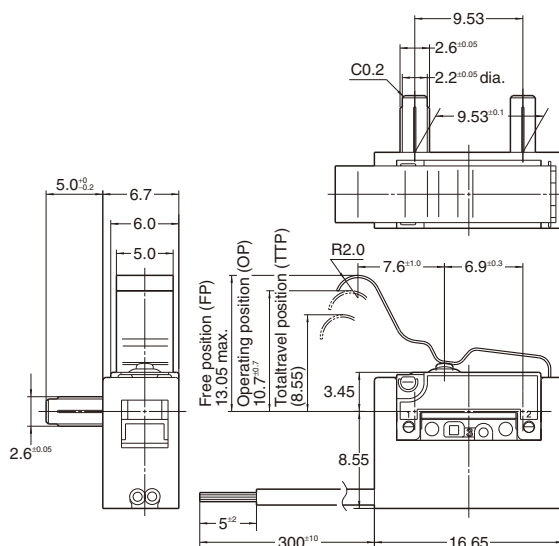
|                                |                             |
|--------------------------------|-----------------------------|
| Pretravel PT, Max.             | 2.6mm                       |
| Movement Differential MD, Max. | 0.5mm                       |
| Overtravel OT, Min.            | 1.4mm                       |
| Operating Position OP          | Distance from mounting hole |
|                                | 10.7±0.7mm                  |

## Wire leads left side type

### CAD Data



### External dimensions



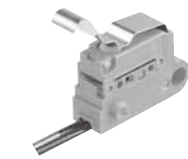
|                                |                             |
|--------------------------------|-----------------------------|
| Pretravel PT, Max.             | 2.6mm                       |
| Movement Differential MD, Max. | 0.5mm                       |
| Overtravel OT, Min.            | 1.4mm                       |
| Operating Position OP          | Distance from mounting hole |
|                                | 10.7±0.7mm                  |

ABJ (BJ) Turquoise Switches

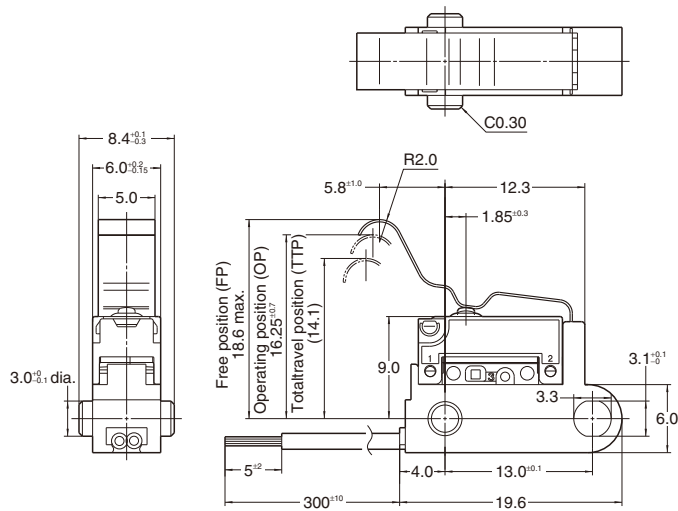
Partly to Be Discontinued: Agency standard type  
Last time buy: September 30, 2016

Wire leads side leaf lever type  
Mounting hole 3mm type

CAD Data



External dimensions



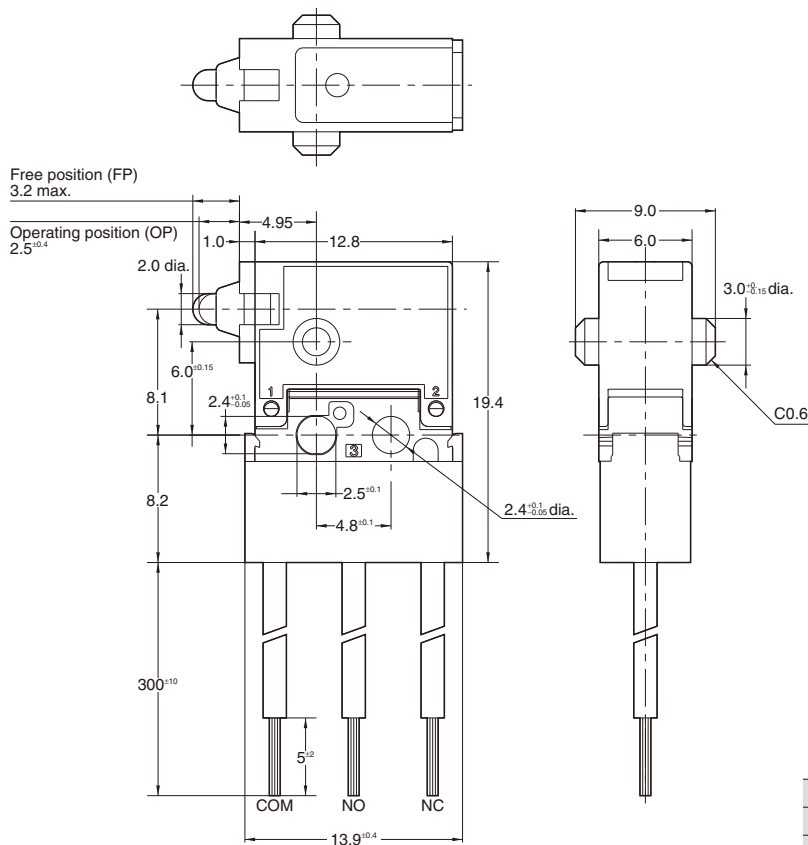
|                                |                             |             |
|--------------------------------|-----------------------------|-------------|
| Pretravel PT, Max.             |                             | 2.6mm       |
| Movement Differential MD, Max. |                             | 0.5mm       |
| Overtravel OT, Min.            |                             | 1.4mm       |
| Operating Position OP          | Distance from mounting hole | 16.25±0.7mm |

Wire leads long stroke type  
Mounting hole 2.3 mm type

CAD Data



External dimensions



|                                |            |
|--------------------------------|------------|
| Movement Differential MD, Max. | 0.5mm      |
| Overtravel OT, Min.            | 2.0mm      |
| Operating Position OP          | 2.5 ±0.4mm |