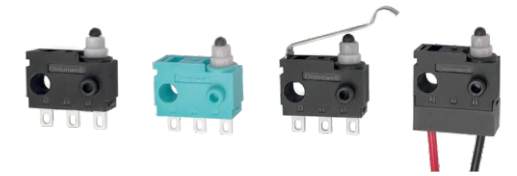


# Unionwell

Email: marketing@unionwellswitch.com Phone: 86-13824215967

## G306 Series

Sealed Clip Type Subminiature Micro Switch



### ■ Features

- ◆ High reliability and good resistance to environment, sealed micro switch with long travel
- ◆ With long travel, can work easily even without lever
- ◆ High reliability sliding contact structure
- ◆ With high temperature resistance (+85°C) and waterproof structure, can be widely applied in different environments, IP67 rated (except for terminals)
- ◆ Widely applied for home appliances, electronic equipment, automatic equipments, communication equipment, auto electronics, apparatus and instruments, power tools, etc.

### ■ Application

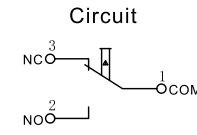
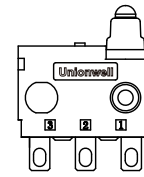
- ◆ Home Appliances
- ◆ Electronic Equipment
- ◆ Automatic Equipment
- ◆ Communication Equipment
- ◆ Auto Electronics
- ◆ Apparatus and Instruments

### ■ Parameters:

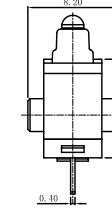
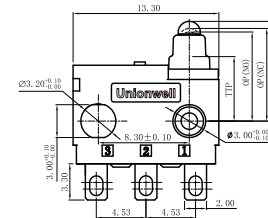
|                                 |   |   |
|---------------------------------|---|---|
| Operating Speed                 |   | 1~500mm/s   |
| Operating Frequency             |   | 120 cycles/min.   |
| Insulation Resistance           |   | ≥100MΩ (at 500VDC)  |
| Contact Resistance (Initiative) | With Terminals Type                     | ≤100mΩ  |
|                                 | With Wire Type                          | ≤500mΩ (Standard Wire Length 300mm)                       |
| Voltage Resistance              | Between Terminals                       | AC500V, 50/60Hz, 1min.                                    |
|                                 | Between Terminals Uncharged Metal Parts | AC1,000V, 50/60Hz, 1min.                                  |
| Vibration Resistance            | No Transformation Action                | 10-55Hz (Double Amplitude 1.5mm)                          |
| Service Life                    | Electrical                              | 300,000 cycles (20 cycles/min.)<br>DC300V 0.1A DC14V 10mA |
|                                 | Mechanical                              | 300,000 cycles (30 cycles/min.)                           |
| Protection Level                |   | IEC IP67 (Exclude Terminals)                              |
| Operating Temperature           |   | < -40~ +85°C 60%RH  |
| Operating Humidity              |   | < 90%RH (+5~35°C)   |

|             |                                    |  |   |   |                                 |   |  |                      |
|-------------|------------------------------------|--|---|---|---------------------------------|---|--|----------------------|
| G306        | 150                                | S  | 00  | A   | A                               | 300   | T001   | U                    |
| Switch Type | Max Operating Force at Pin Plunger | Terminal Type  | Lever   | Circuitry   | Shape and Posts                 | Wires Length  | Custom Code  | LOGO                 |
| 150         | 150gf Max<br>Other                 | E With wire (wire leads to bottom)<br>G With wire (left wire)<br>F With wire (right wire)<br>S Solder Terminals<br>P Straight PCB Terminals<br>Special Terminals | 00 pin plunger<br>08 08# Lever<br>09 09# Lever<br>41 41# Lever<br>Special lever | A SPDT Slide Non-short circuit type, 1, 3 convert to 1, 2<br>C SPST-NO<br>B SPST-NC | A M3 Type<br>B No post<br>Other | 300 300mm length standard lead wires AVSS 0.3mm <sup>2</sup> (black COM red NC blue NO) Except custom models<br>280 280mm length AVSS 0.3mm <sup>2</sup> (Black COM Red NC Blue NO)<br>No molded lead wires<br>other length AVSS 0.3 mm <sup>2</sup> (Black COM Red NC Blue NO) | General<br>Customized according to requirements, the code format is T+serial number XXX, for example: T001 | U Unionwell<br>Other |

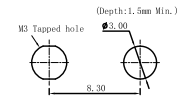
## ■ Circuit



## ■ Dimensions and Operating Characteristics of Basic Shape

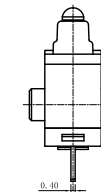
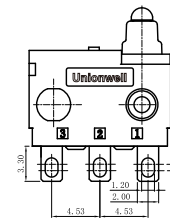


Mounting Hole Dimensions

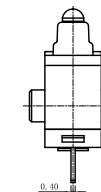
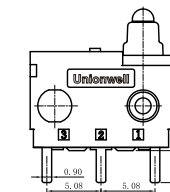


## ■ Terminals Type (can be customized)

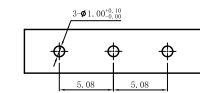
### ◆ (S) Solder Terminals



### ◆ (P) PCB Terminals

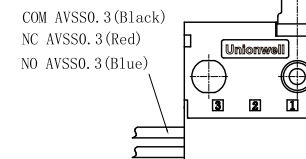


PCB Terminals Mounting Hole Dimensions

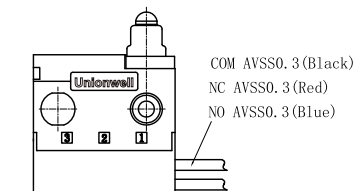


### ◆ Wire Lead Direction

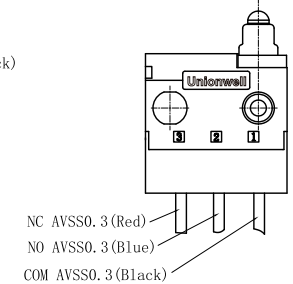
(G) Left Wire



(F) Right Wire

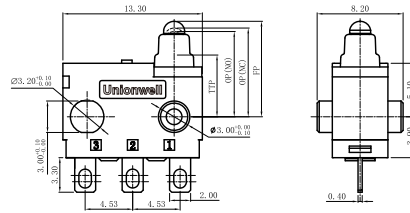


(E) Bottom Wire



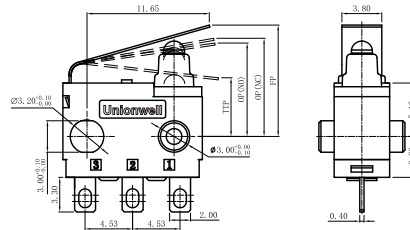
## Switch Lever and Operating Characteristics

### ◆ G306-150S00□□U



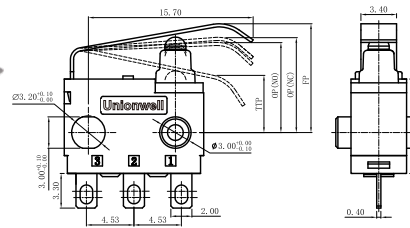
|           |             |
|-----------|-------------|
| ( OF )    | 150gf Max.  |
| ( FP )    | 9.2mm Max.  |
| ( OP-NC ) | 8.7 ± 0.3mm |
| ( OP-NO ) | 8.4 ± 0.3mm |
| ( OT-NC ) | 2.5mm Min.  |
| ( OT-NO ) | 2.2mm Min.  |
| ( TTP )   | 6.1mm Max.  |

### ◆ G306-150S08□□U



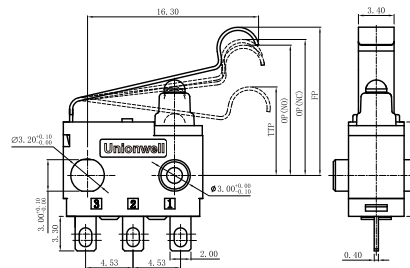
|           |             |
|-----------|-------------|
| ( OF )    | 150gf Max.  |
| ( FP )    | 11.5mm Max. |
| ( OP-NC ) | 9.3 ± 0.6mm |
| ( OP-NO ) | 8.8 ± 0.6mm |
| ( OT-NC ) | 3.0mm Min.  |
| ( TTP )   | 6.2mm Max.  |

### ◆ G306-150S09□□U



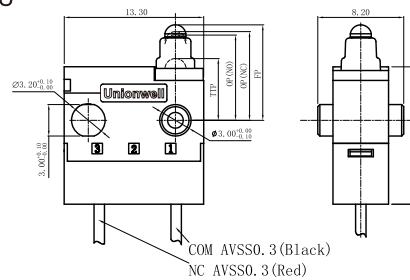
|           |             |
|-----------|-------------|
| ( OF )    | 170gf Max.  |
| ( FP )    | 11.3mm Max. |
| ( OP-NC ) | 9.6 ± 0.6mm |
| ( OP-NO ) | 9.1 ± 0.6mm |
| ( OT-NC ) | 2.8mm Min.  |
| ( TTP )   | 6.2mm Max.  |

### ◆ G306-150S41□□U



|           |              |
|-----------|--------------|
| ( OF )    | 150gf Max.   |
| ( FP )    | 14.4mm Max.  |
| ( OP-NC ) | 13.0 ± 0.8mm |
| ( OP-NO ) | 12.5 ± 0.8mm |
| ( OT-NC ) | 3.5mm Min.   |
| ( TTP )   | 8.7mm Max.   |

### ◆ G306-150E00BA□□U



|         |             |
|---------|-------------|
| ( OF )  | 150gf Max.  |
| ( FP )  | 9.2mm Max.  |
| ( OP )  | 8.4 ± 0.3mm |
| ( OT )  | 2.2mm Min.  |
| ( TTP ) | 6.1mm Max.  |