

## WP SERIES – SEALED MINIATURE SNAP ACTION SWITCHES



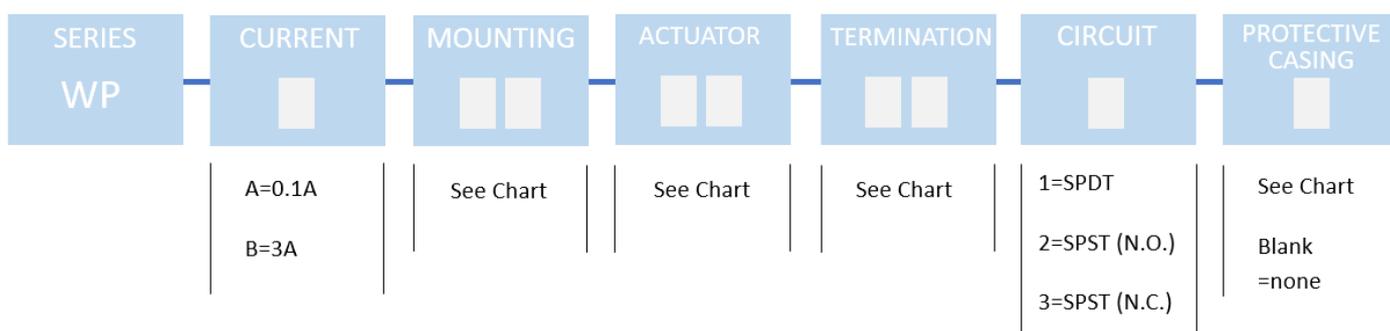
### Features and Advantages:

- Ultra-small sealed micro switch: 13mm x 6mm x 9.6mm
- IP67 rating
- High precision spring structure, fast switching, long life and excellent touch feel
- Integrally formed terminal structure that prevents flux from seeping up
- Available in PCB pin, solder lug and resistance soldering termination options
- Available in button, lever, simulated roller actuator options
- Available in 0.1A and 3A current ratings and different operating forces
- RoHS Compliant

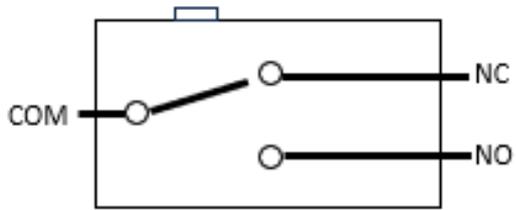
### Specifications:

Contact Rating and Material:	0.1A @ 30V DC (Gold Alloy)	3A @ 30V DC (Silver Alloy)
Contact size:	Ø0.8mm	Ø1.2mm
Electrical Life:	50,000 cycles	10,000 cycles
Mechanical Life:	300,000 cycles	300,000 cycles
Contact Resistance (initial value):	100mΩ Max	100mΩ Max
Insulation Resistance:	>100MΩ (500V DC)	>100MΩ (500V DC)
Dielectric Strength:	600 VAC 50/60Hz for 60s (between terminals)	600 VAC 50/60Hz for 60s (between terminals)
	1000 VAC 50/60Hz for 60s (between terminals and casing)	1000 VAC 50/60Hz for 60s (between terminals and casing)
Maximum Operating Frequency:	Mechanical: 60/min Electrical: 20/min	Mechanical: 60/min Electrical: 20/min
Operating Temperature:	-40°C to 85°C (Below 60%RH)	-40°C to 85°C (Below 60%RH)
IP Rating:	IP67	IP67
Weight:	~0.8g	~0.8g

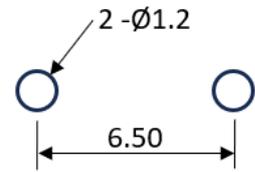
### Part Number Coding:



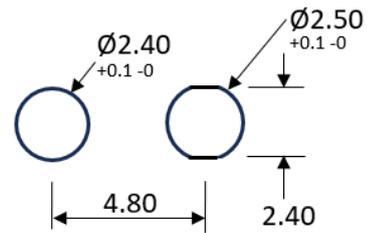
## WP SERIES – SEALED MINIATURE SNAP ACTION SWITCHES



Schematic - SPDT



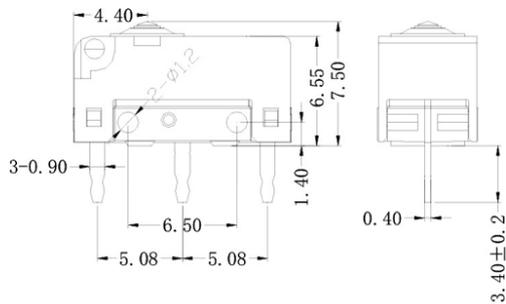
Mounting Holes – 1.2mm



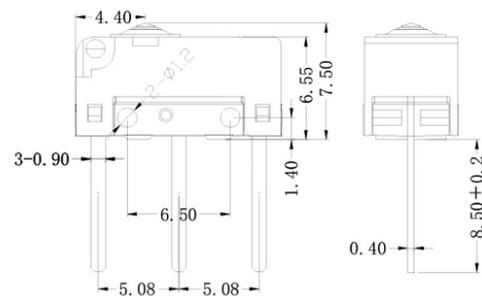
Mounting Holes - 2.4mm

### Termination Options:

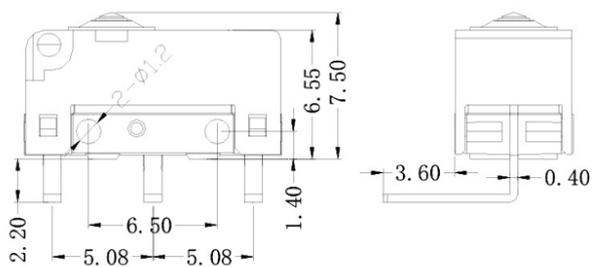
**P** PCB Pin



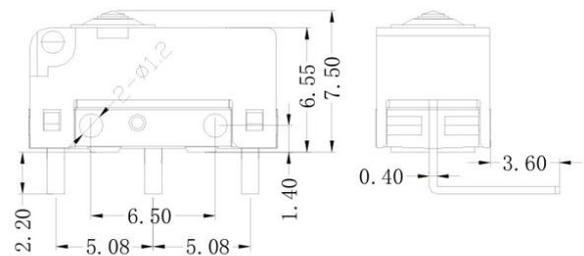
**PL** PCB Pin - Long



**L** PCB Pin - Left

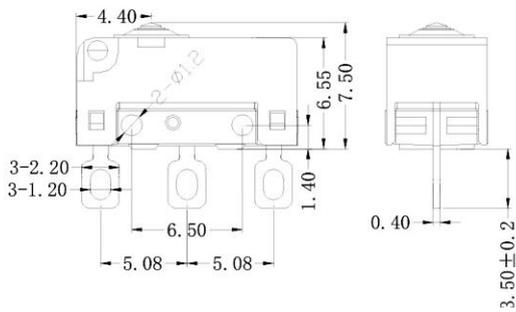


**R** PCB Pin - Right

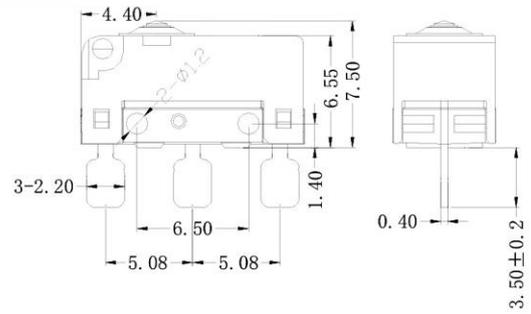


## Termination Options:

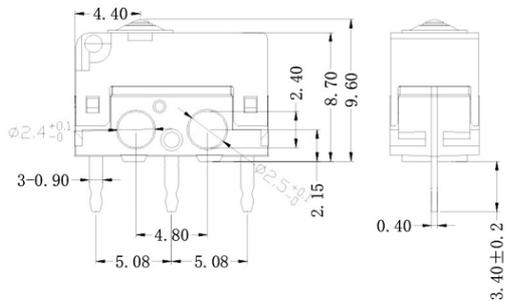
**S** Solder Lug



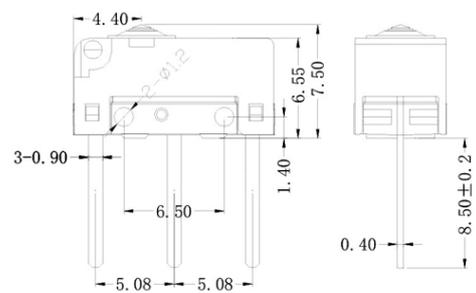
**RS** Resistance soldering



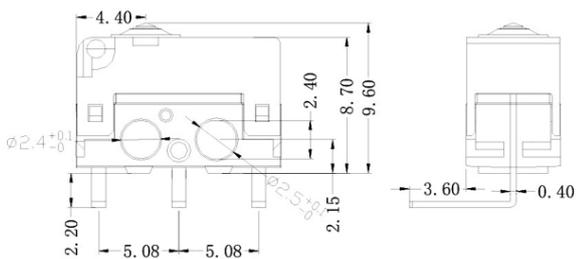
**P1** PCB Pin (2.4mm mounting hole)



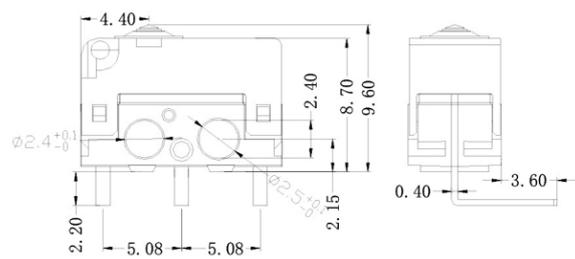
**PL1** PCB Pin – Long (2.4mm mounting hole)



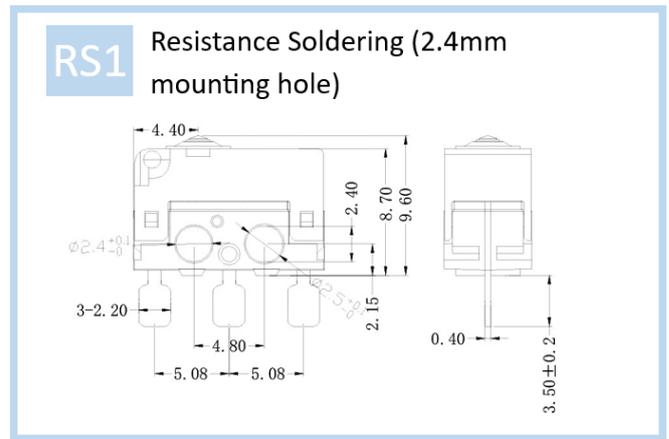
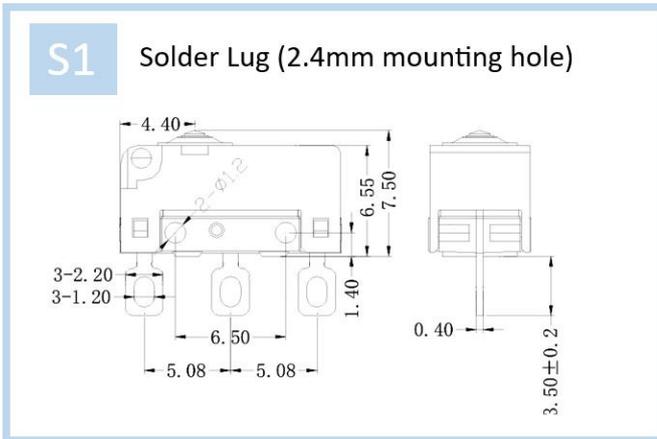
**L1** PCB Pin – Left (2.4mm mounting hole)



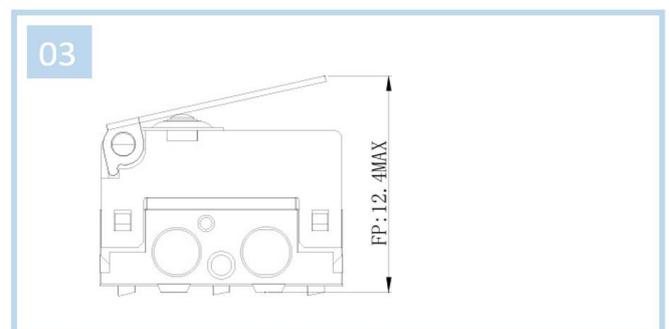
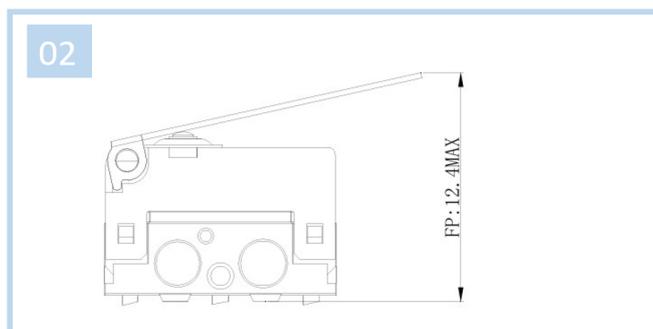
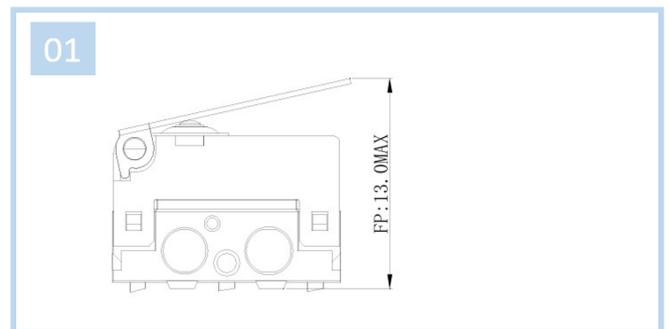
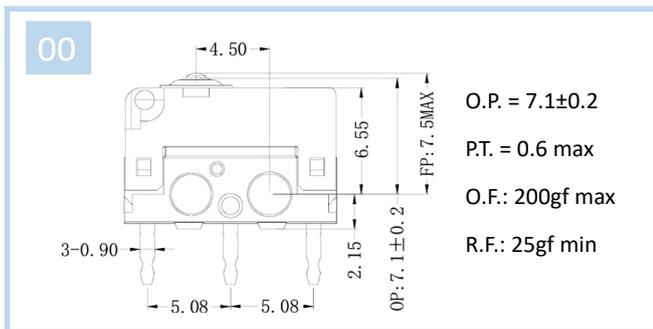
**R1** PCB Pin – Right (2.4mm mounting hole)



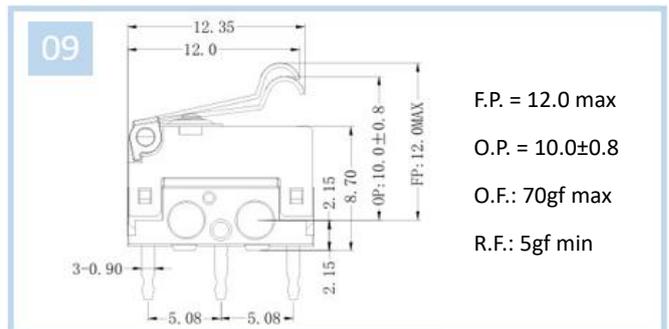
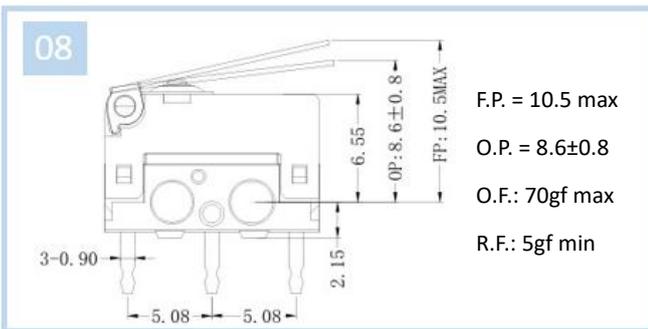
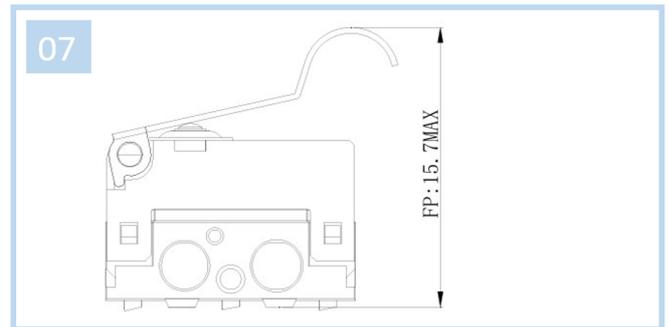
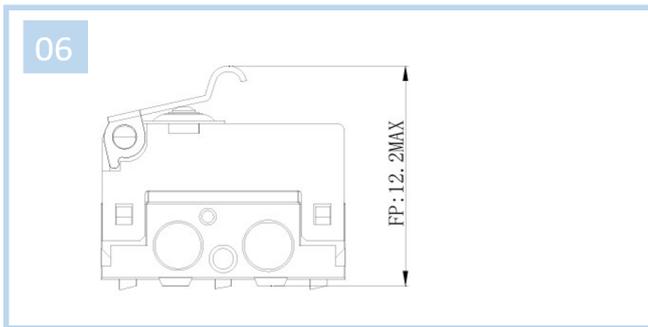
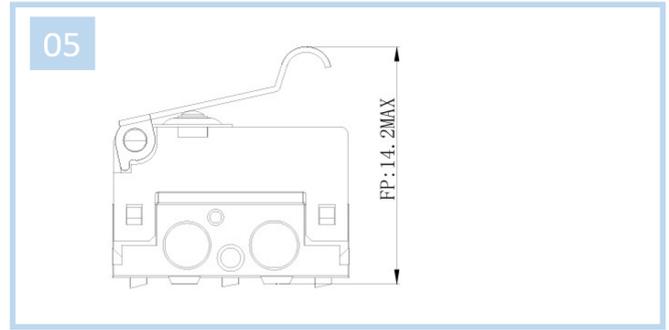
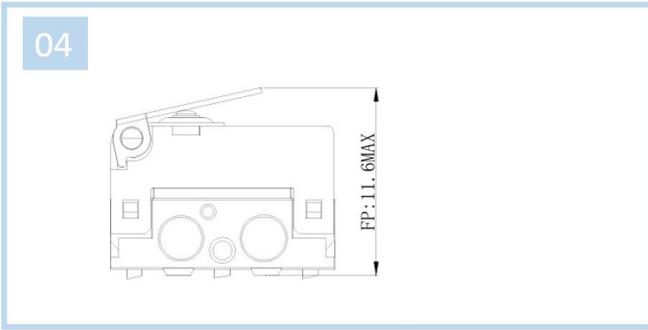
## Termination Options:



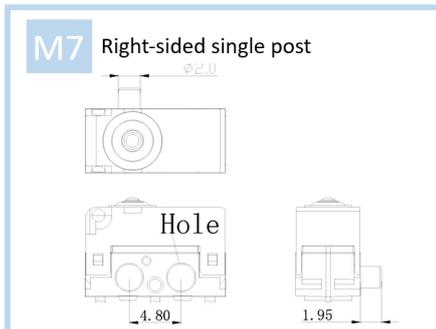
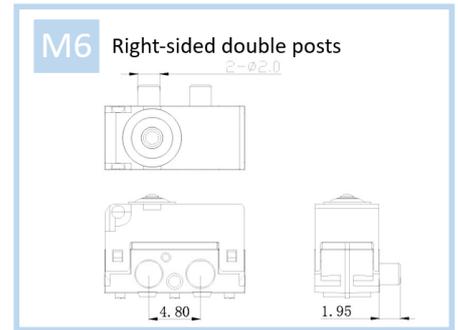
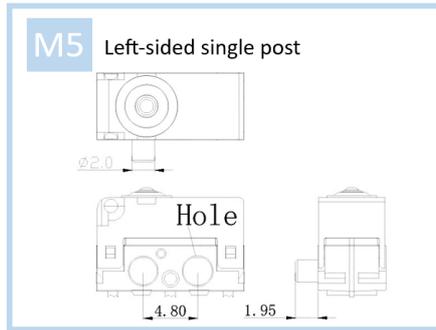
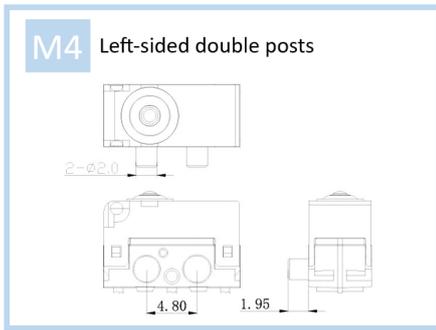
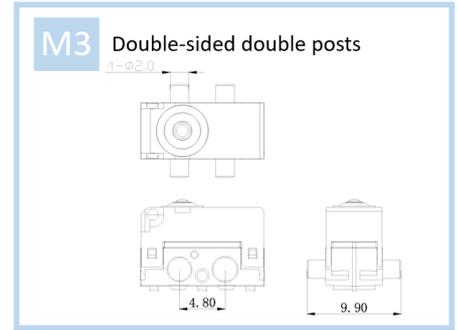
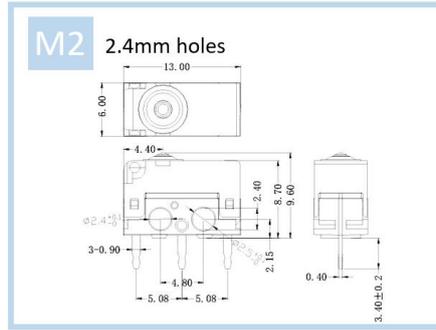
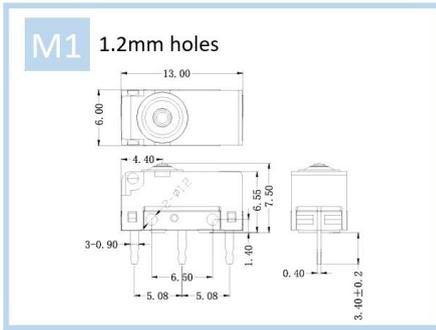
## Actuator Options:



## Actuator Options:



## Mounting Options:

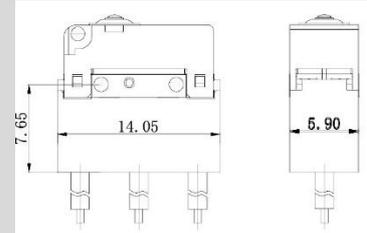
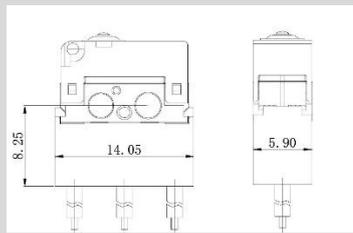


## Protective Casing Options:

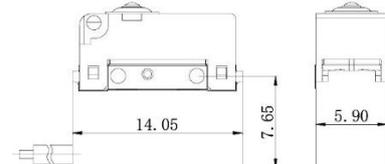
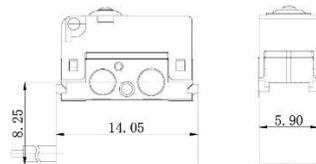
### 2.4mm mounting holes

### 1.2mm mounting holes

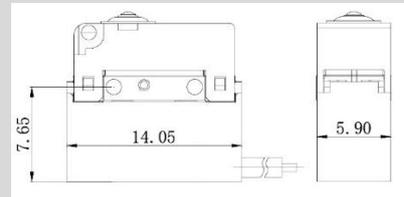
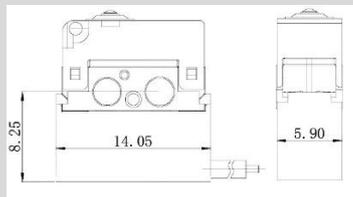
P1



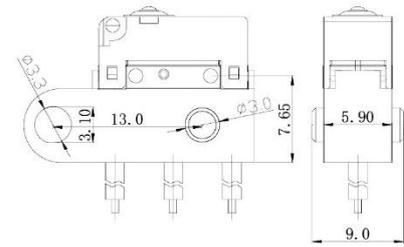
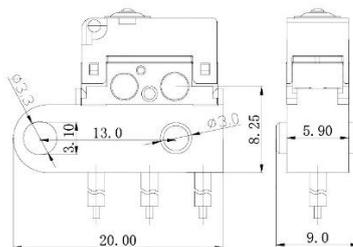
P2



P3



P4



## Notes:

1. All dimensions in mm.
2. P.T.=pre-travel, F.P.=free position, O.P.=operating position, O.F.=operating force, R.F.=return force
3. Do not exceed 350°C solder temperature. Solder within 3s to avoid damaging the components. Do not exert external force within 1 min after soldering.
4. Specifications subject to change without notice.