

G9 Series

Sealed Mini Micro Switch



■ Features

- ◆ Dust and water proof design (IP67)
- ◆ Small compact size
- ◆ Long life,high reliability
- ◆ Variety of terminals and levers
- ◆ Widely used in auto control,appliance and other industry control

■ Application

- ◆ Car
 - ◆ Phone
 - ◆ Air-Conditioner
 - ◆ Computer
 - ◆ Humidifier
 - ◆ Alarm
 - ◆ Timer
 - ◆ Mixer & Meat Grinder
 - ◆ Welding Machine
 - ◆ Neon Phone
 - ◆ Fax Machine
- ◆ Game Controller
 - ◆ Pump
 - ◆ Gas Detector
 - ◆ Pencil Sharpener
 - ◆ Money Sorter
 - ◆ Food Processor
 - ◆ Electric Knife
 - ◆ Toy Car
 - ◆ Juice Extractor
 - ◆ Light Equipment
 - ◆ Electric Frying Pan

■ Parameters

Rating	P1	0.1A 125/250VAC 48VDC 5E4 Gold Plated Contact Optional
	05	UL: 5A 125/250VAC ENEC: 6A 125/250VAC 1E4; 3A 125/250VAC 30VDC 25T120 μ 5E4
Operating Frequency	Electrical	10~30 cycles/min
	Mechanical	120 cycles/min
Contact Resistance (Initial Value)		100mΩ Max (It depends on the wire length for the type with wire)
Insulation Resistance (at 500VDC)		100MΩ Min
Dielectric Strength		AC 1,000V RMS (50~60Hz)
Operating Temperature		-25℃~+120℃
Operating Humidity		85%RH Max.
Service Life	Electrical	10,000~100,000 cycles (Depend on P/N)
	Mechanical	500,000 cycles



G9 Series Micro Switch Ordering Instruction

G9	05	200	S	00	D	1
Switch Type	Electrical Rating	Max Operating Force at Pin Plunger	Terminal Style	Lever Type	Switch Protection Grade	Circuitry
G9 Series Micro-Switch	P1 ENEC/CQC: 0.1A 125/250VAC 48VDC 5E4μ 25T120 UL/cUL: 0.1A 125/250VAC 48VDC Gold Plated Contact optional.	150 150gf Max. Only for G9P1	S Solder Terminals	00 Spherical Pin Plunger	D Dust proof -Ip00 No wire.	1 SPDT
		200 200gf Max.	P Straight PCB Terminals (0.6mm wide)	01 Short Straight Lever 17.7(0.70")	W Water tight-IP67 With lead wires	2 SPsT -NC
		300 300gf Max.	D 110#Quick Connect Terminals (2.8X0.5mm)	02 Std. Straight Lever 19.7(0.78")		3 SPDT -NO
	05 ENEC/CQC: 6A 125/250VAC 1E4μ 3A 125/250VAC 30VDC 5E4 UL/cUL: 5A 125/250VAC		E Wires leads to bottom (500mm)	03 Long Straight Lever 25.8(1.02")		
			F Wires leads to side(500mm) (opposite to plunger)	05 Small Simulated Roller Lever 18.9mm (0.75")		
			G Wires leads to side(500mm) (plunger side)	06 Roller Lever 15.7mm (0.62")		
			... Special Terminals	07 Small Simulated Roller Lever 19.0mm		
			12 Long Straight Lever 56.2mm (2.23')			
			... Other			

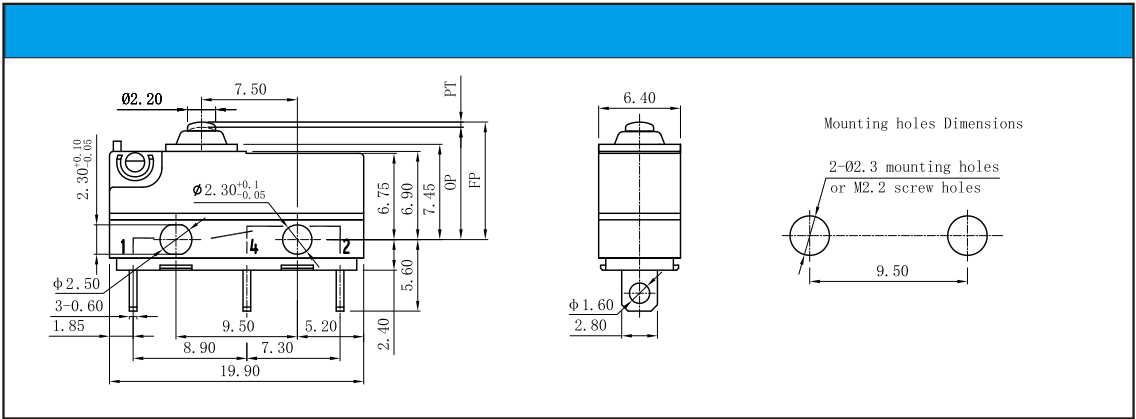


A				T001	U
	AWG Type (For with wire type only)	AWG Number (For with wire type only)	wire Length	Custom Code	LOGO
General (Temperature grade 25T120)	20#	UL1007	Standard length:500mm	General	U Unionwell
A Gold Plated Contacts (Optional Only for G9P1)	F 22#	B UL1569		T001 Customized according to requirements, the code format is T+serial number XXX, for example: T001	... Other
D Special use for high DC rating	G 24#	C UL1430		... Other	
B Lever Can Be On Two Sides (oppositeto plunger)	H 26#	D UL1061			
C Lever Can Be OnTwo Sides (plungerside)	M 28#	E UL1330			
E Lever Can Be On Two Sides (No Lever)		H UL1332			
N With ATEXmarking		K UL1015			
... Other					

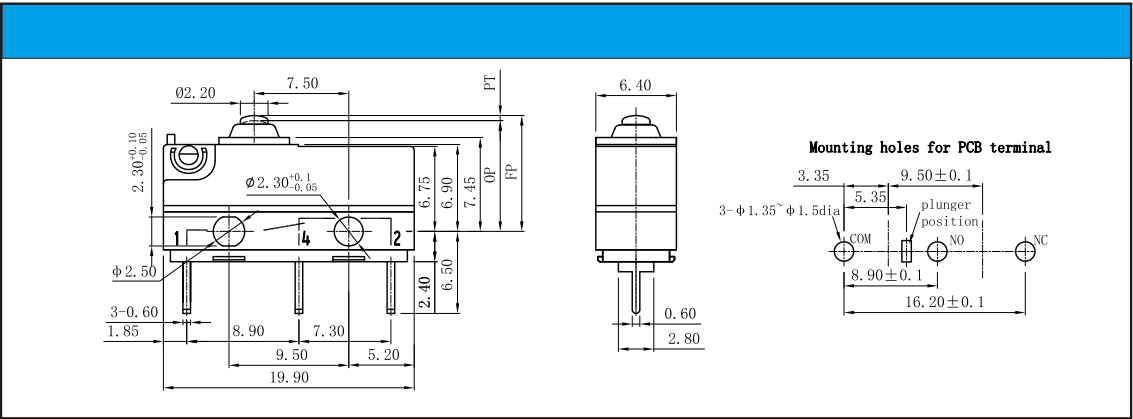
Terminal Type

S#: Solder Terminals	E#: Wires Lead to Bottom(500mm length)
P#: Straight PCB Terminals	F#Wires Lead to Side(Opposite to pin plunger side),
D#: 110# Quick Connect Terminals: 2.8x0.5mm	G#: Wire Leads to Side (Pin plunger side), length: 500mm

Mounting Hole Dimensions and Operating Characteristics



Mounting Hole Dimensions and Operating Characteristics



IP Grade

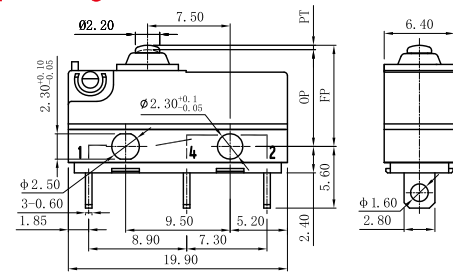
D#: Without Lead Wires Type, Plunger and Body are Water Proof (IP67); Terminals are not Water Proof (IP00)	W#: With Lead Wires Type, water Proof (IP67)

Circuit Configuration

1#SPDT	3#SPDT-NC	3#SPDT-NO

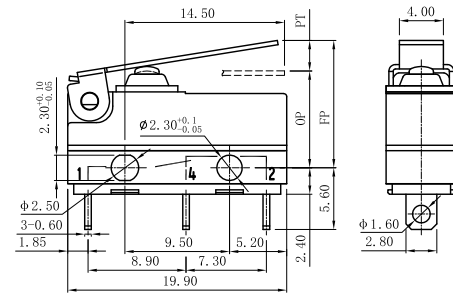
■ Dimensions and Operating Characteristics

◆ G9□□-□□□S00D1U



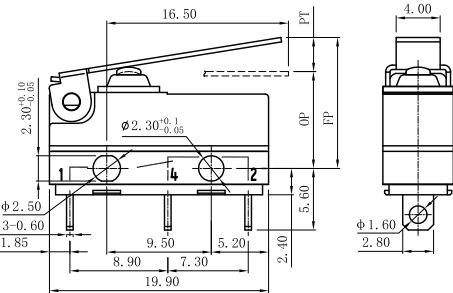
OF Max (gf)		RF Min (gf)	PT Max (mm)	OT Min (mm)	DT Max (mm)	FP Max (mm)	OP (mm)
150	150	30	1.2	0.6	0.2	9.4	8.4±0.3
-200	200	50	1.2	0.6	0.2	9.4	8.4±0.3

◆ G9□□-□□□S01D1U



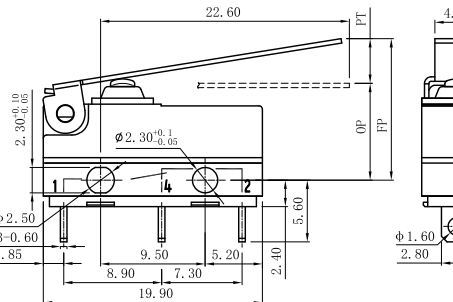
OF Max (gf)		RF Min (gf)	PT Max (mm)	OT Min (mm)	DT Max (mm)	FP Max (mm)	OP (mm)
-150	50	8	4.3	0.6	0.7	12.0	8.8±1.2
-200	90	15	4.3	0.6	0.7	12.0	8.8±1.2

◆ G9□□-□□□S02D1U



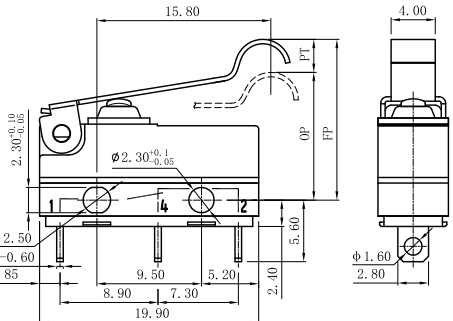
OF Max (gf)		RF Min (gf)	PT Max (mm)	OT Min (mm)	DT Max (mm)	FP Max (mm)	OP (mm)
-150	50	6	4.8	0.7	0.8	12.5	8.8±1.3
-200	75	13	4.8	0.7	0.8	12.5	8.8±1.3

◆ G9□□-□□□S03D1U



OF Max (gf)		RF Min (gf)	PT Max (mm)	OT Min (mm)	DT Max (mm)	FP Max (mm)	OP (mm)
-150	40	5	6.3	1.0	1.0	13.5	8.8±1.8
-200	55	8	6.3	1.0	1.0	13.5	8.8±1.8

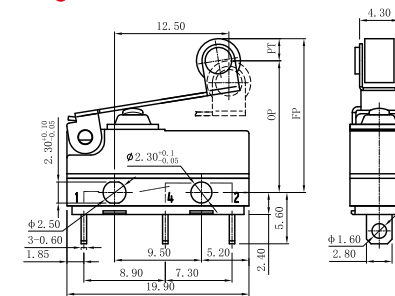
◆ G9□□-□□□S05D1U



OF Max (gf)		RF Min (gf)	PT Max (mm)	OT Min (mm)	DT Max (mm)	FP Max (mm)	OP (mm)
150	50	6	4.6	0.7	0.8	15.5	11.8±1.5
-200	75	12	4.6	0.7	0.8	15.5	11.8±1.5

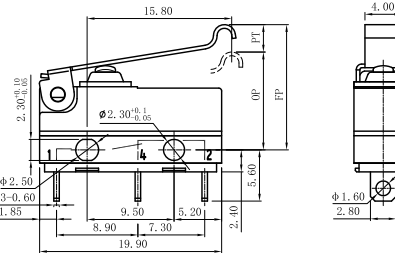
■ Dimensions and Operating Characteristics

◆ G9□□-□□□S06D1U



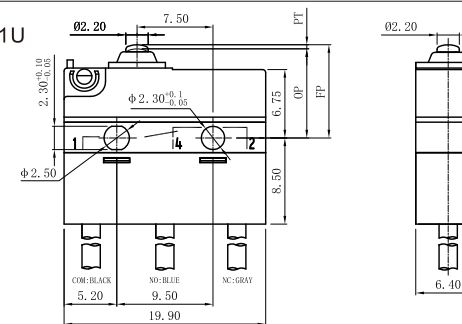
OF Max (gf)		RF Min (gf)	PT Max (mm)	OT Min (mm)	DT Max (mm)	FP Max (mm)	OP (mm)
150	65	10	4.3	0.6	0.7	17.5	14.5±1.1
-200	85	15	4.3	0.6	0.7	17.5	14.5±1.1

◆ G9□□-□□□S07D1U



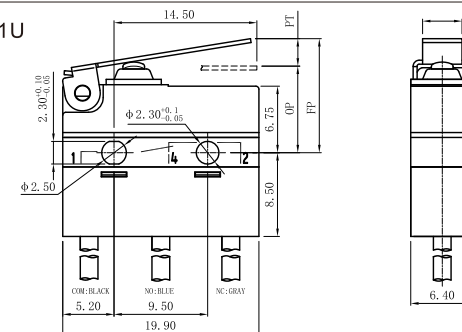
OF Max (gf)	RF Min (gf)	PT Max (mm)	OT Min (mm)	DT Max (mm)	FP Max (mm)	OP (mm)
150	50	9	4.6	0.7	14.0	10.7±1.5
-200	75	12	4.6	0.7	14.0	10.7±1.5

◆ G9□□-□□□E00W1U



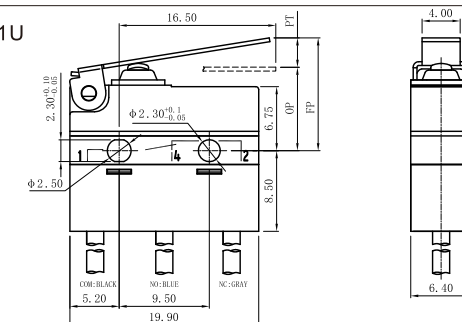
OF Max (gf)	RF Min (gf)	PT Max (mm)	OT Min (mm)	DT Max (mm)	FP Max (mm)	OP (mm)
-150	150	30	1.2	0.6	0.2	9.4
-300	300	70	1.2	0.6	0.2	9.4
						8.4±0.3

◆ G9□□-□□□E01W1U



OF Max (gf)	RF Min (gf)	PT Max (mm)	OT Min (mm)	DT Max (mm)	FP Max (mm)	OP (mm)
-150	50	8	4.3	0.6	0.7	12.0
-300	105	20	4.3	0.6	0.7	8.8±1.2

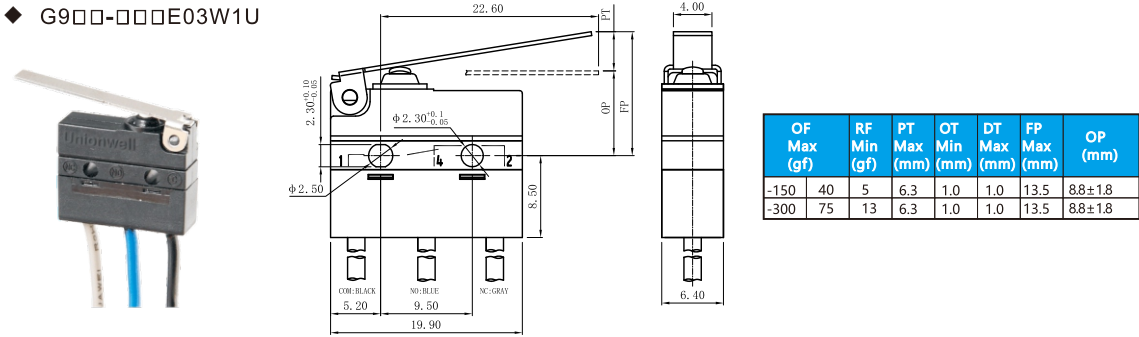
◆ G9□□-□□□E02W1U



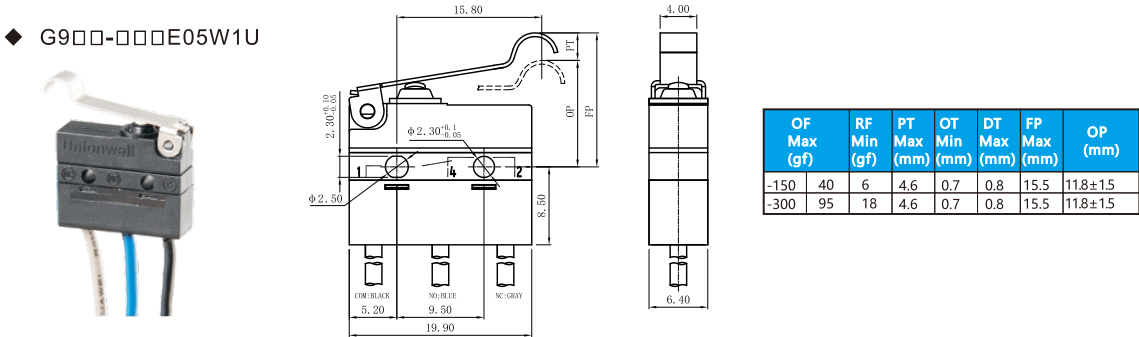
OF Max (gf)	RF Min (gf)	PT Max (mm)	OT Min (mm)	DT Max (mm)	FP Max (mm)	OP (mm)
-150	50	6	4.8	0.7	0.8	8.8±1.3
-300	95	18	4.8	0.7	0.8	12.5
						8.8±1.3

■ Dimensions and Operating Characteristics

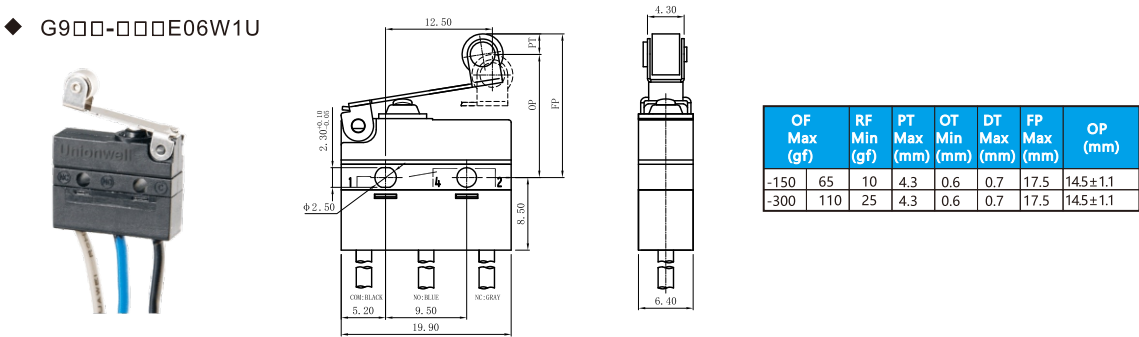
◆ G9□□-□□□E03W1U



◆ G9□□-□□□E05W1U



◆ G9□□-□□□E06W1U



◆ G9□□-□□□E07W1U

