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

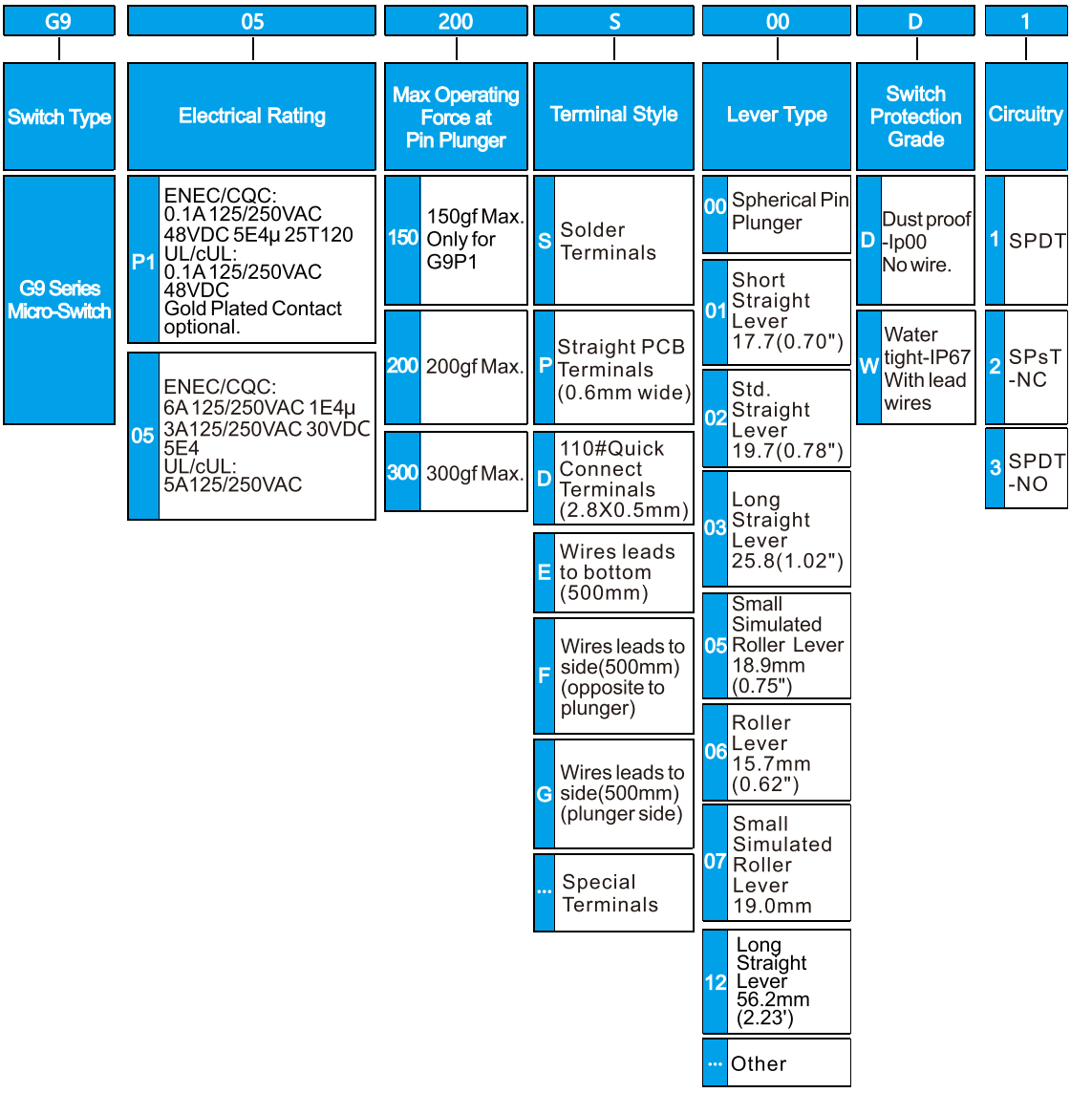
Application

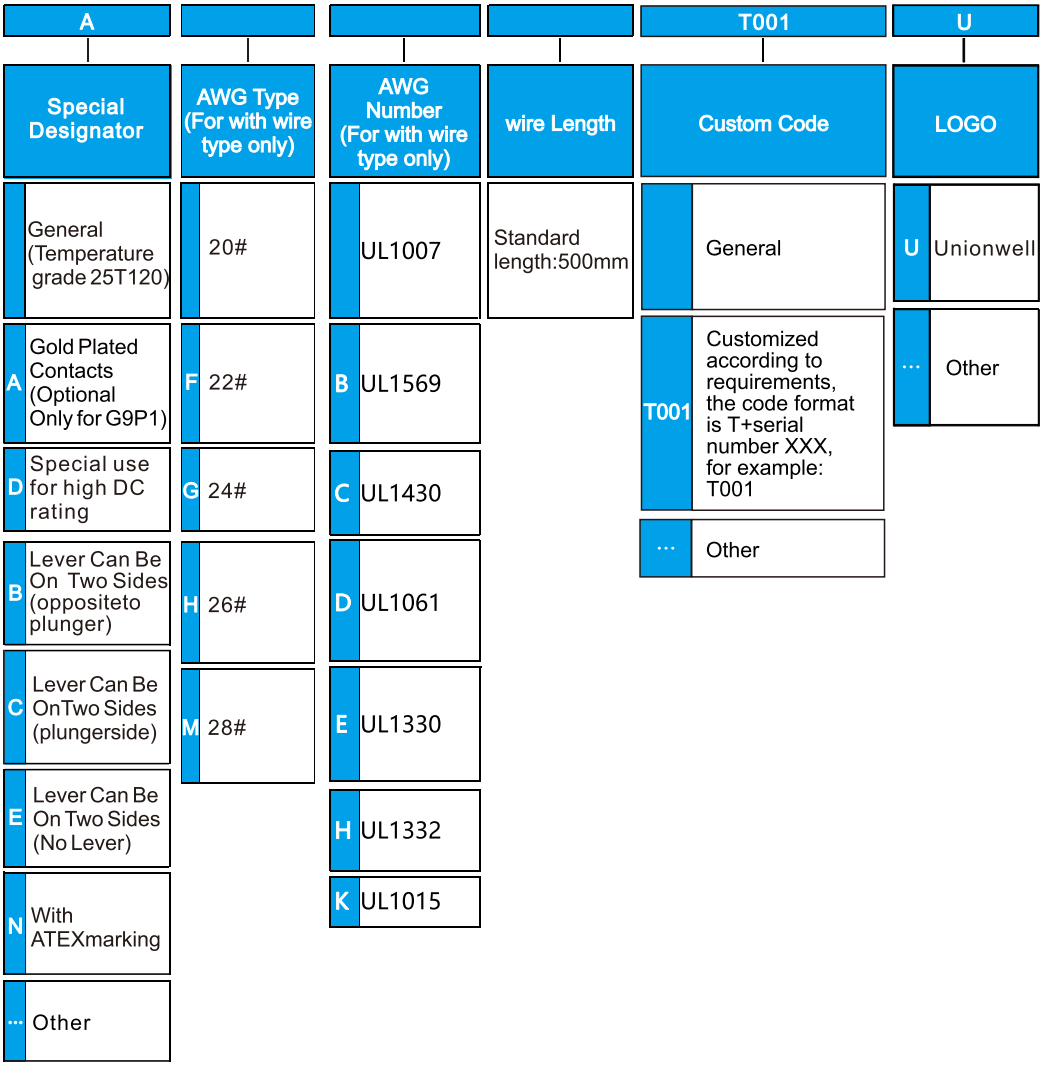
- Car
- Phone
- Air-Conditioner
- Computer
- Humidifier
- Alarm
- Timer
- Mixer & Meat Grinder
- Welding Machine
- Neon Phone
- Fax Machine
- Game Controller
- Pump
- Gas Detector
- Pencil Sharpener
- Money Sorter
- Food Processor
- Electric Knife
- Toy Car
- Juice Extractor
- Light Equipment
- Electric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

Parameters

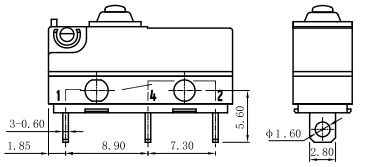
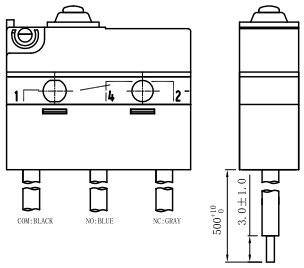
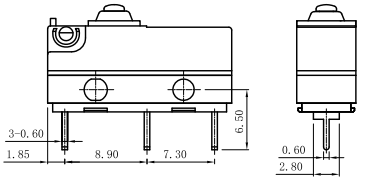
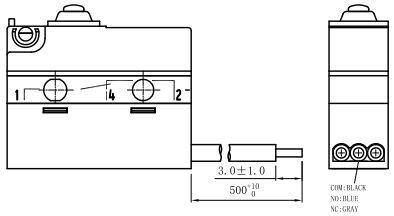
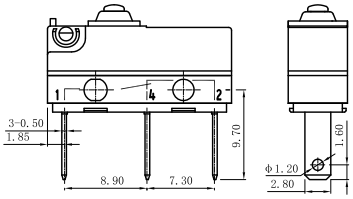
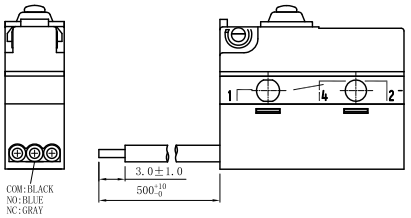
Rating	P1	0.1A 125/250VAC 48VDC 5E4 Gold Plated Contact Optional
	05	UL: 5A 125/250VAC ENEC: 6A 125/250VAC 1E4; 3A 125/250VAC 30VDC 25T120 μ 5E4
Operating Frequency	Electrical	10~30 cycles/min
	Mechanical	120 cycles/min
Contact Resistance (Initial Value)		100mΩ Max (It depends on the wire length for 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

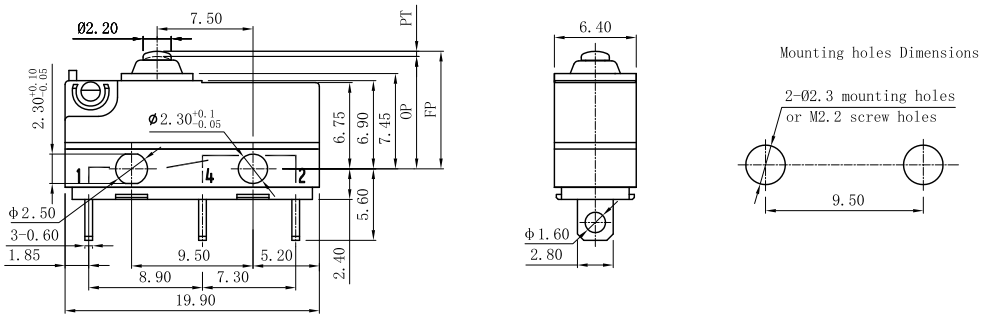



A
Special Designator
General (Temperature grade 25T120)
A Gold Plated Contacts (Optional Only for G9P1)
D Special use for high DC rating
B Lever Can Be On Two Sides (oppositeto plunger)
C Lever Can Be OnTwo Sides (plungerside)
E Lever Can Be On Two Sides (No Lever)
N With ATEXmarking
··· Other
AWG Type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

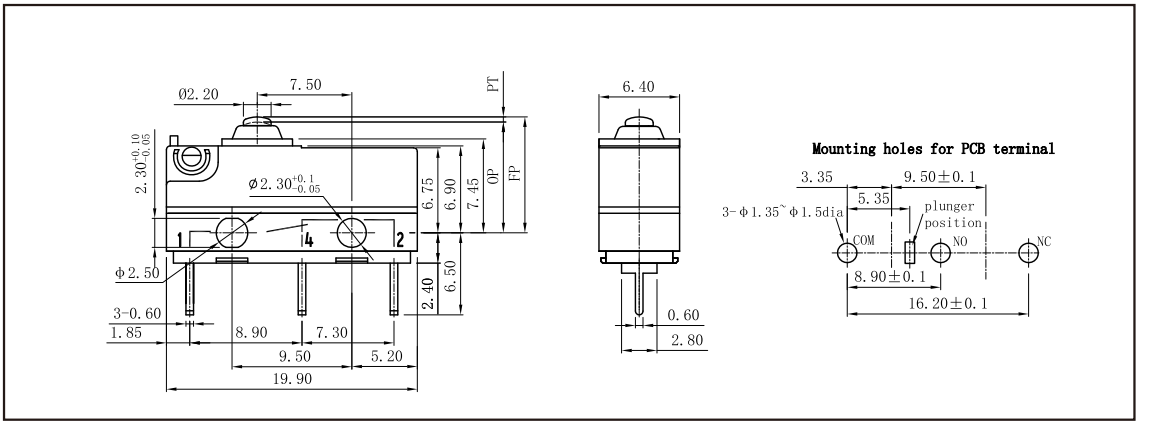
■ Terminal Type

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**
	

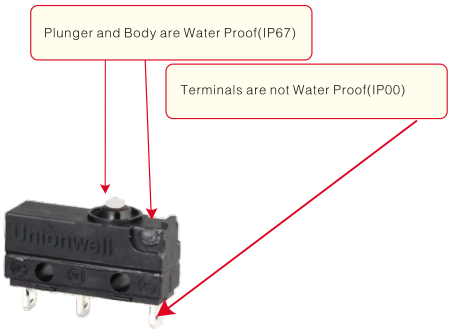
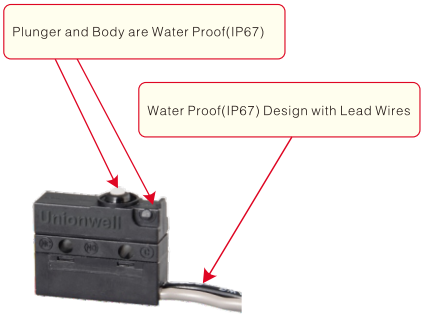
■ Mounting Hole Dimensions and Operating Characteristics



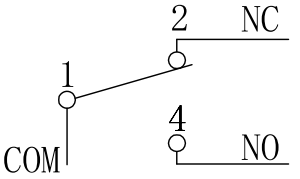
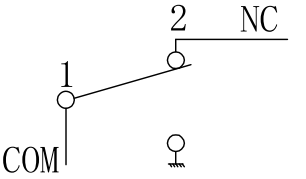
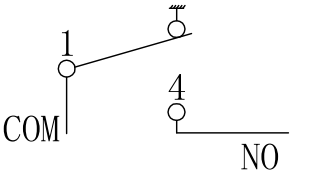
■ Mounting Hole Dimensions and Operating Characteristics



■ IP Grade

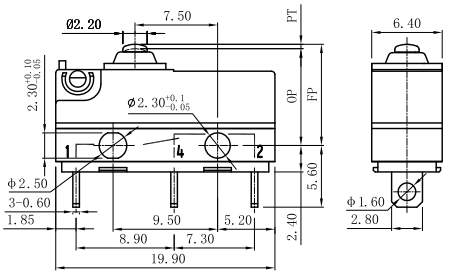
D#: Without Lead Wires Type, Plunger and Body are Water Proof (IP67); Terminals are not Water Proof (IP00)	W#: With Lead Wires Type, water Proof (IP67)
	

■ Circuit Configuration

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

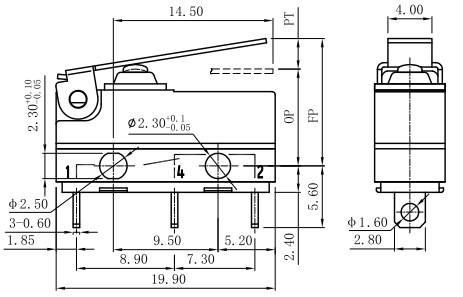
■ Dimensions and Operating Characteristics

◆ G9□□-□□□S00D1U



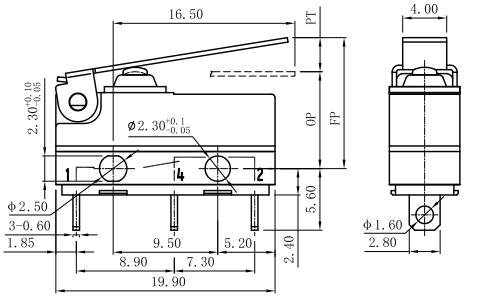
OF Max (gf)	RF Min (gf)	PT Max (mm)	OT Min (mm)	DT Max (mm)	FP Max (mm)	OP (mm)
150	150	30	1.2	0.6	0.2	9.4	8.4±0.3
-200	200	50	1.2	0.6	0.2	9.4	8.4±0.3

◆ G9□□-□□□S01D1U



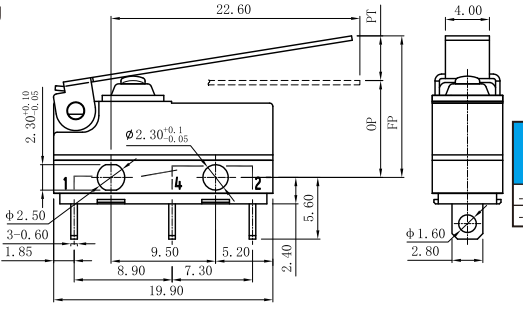
OF Max (gf)	RF Min (gf)	PT Max (mm)	OT Min (mm)	DT Max (mm)	FP Max (mm)	OP (mm)
-150	50	8	4.3	0.6	0.7	12.0	8.8±1.2
-200	90	15	4.3	0.6	0.7	12.0	8.8±1.2

◆ G9□□-□□□S02D1U



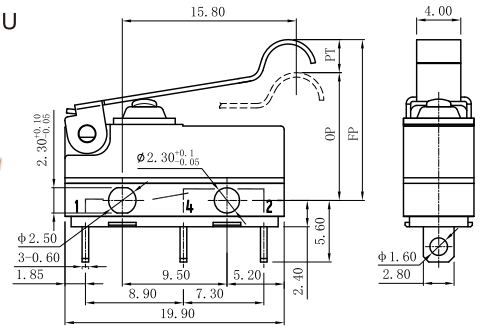
OF Max (gf)	RF Min (gf)	PT Max (mm)	OT Min (mm)	DT Max (mm)	FP Max (mm)	OP (mm)
-150	50	6	4.8	0.7	0.8	12.5	8.8±1.3
-200	75	13	4.8	0.7	0.8	12.5	8.8±1.3

◆ 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

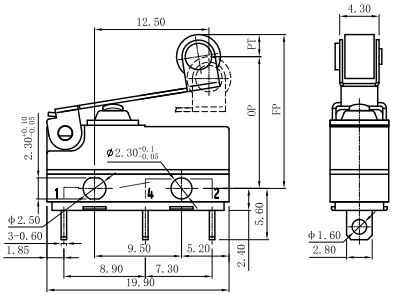
◆ G9□□-□□□S05D1U



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

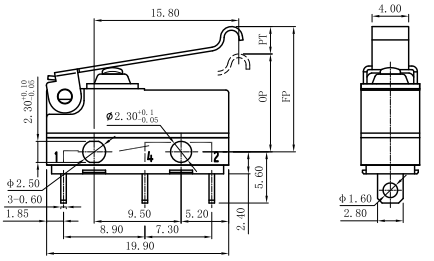
■ Dimensions and Operating Characteristics

◆ G9□□-□□□S06D1U



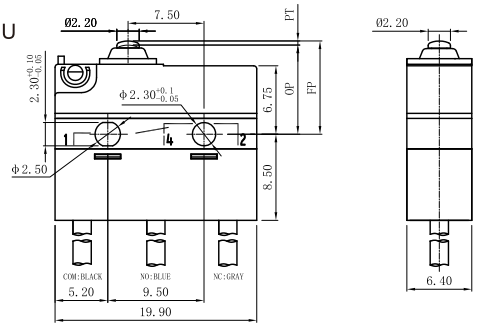
OF Max (gf)	RF Min (gf)	PT Max (mm)	OT Min (mm)	DT Max (mm)	FP Max (mm)	OP (mm)
150	65	10	4.3	0.6	0.7	17.5	14.5±1.1
-200	85	15	4.3	0.6	0.7	17.5	14.5±1.1

◆ G9□□-□□□S07D1U



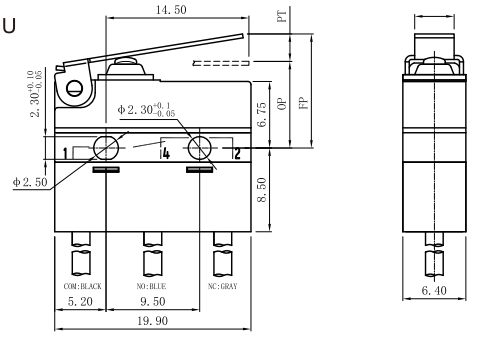
OF Max (gf)	RF Min (gf)	PT Max (mm)	OT Min (mm)	DT Max (mm)	FP Max (mm)	OP (mm)
150	50	9	4.6	0.7	0.8	14.0	10.7±1.5
-200	75	12	4.6	0.7	0.8	14.0	10.7±1.5

◆ G9□□-□□□E00W1U



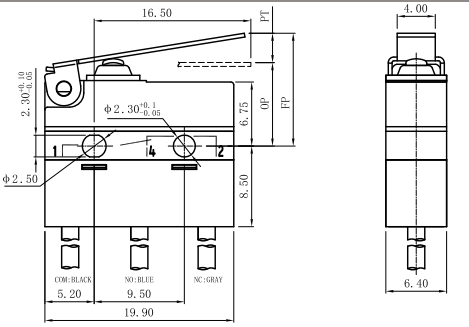
OF Max (gf)	RF Min (gf)	PT Max (mm)	OT Min (mm)	DT Max (mm)	FP Max (mm)	OP (mm)
-150	150	30	1.2	0.6	0.2	9.4	8.4±0.3
-300	300	70	1.2	0.6	0.2	9.4	8.4±0.3

◆ 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	8.8±1.2
-300	105	20	4.3	0.6	0.7	12.0	8.8±1.2

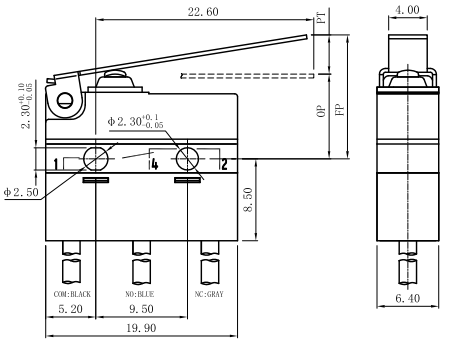
◆ G9□□-□□□E02W1U



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	12.5	8.8±1.3
-300	95	18	4.8	0.7	0.8	12.5	8.8±1.3

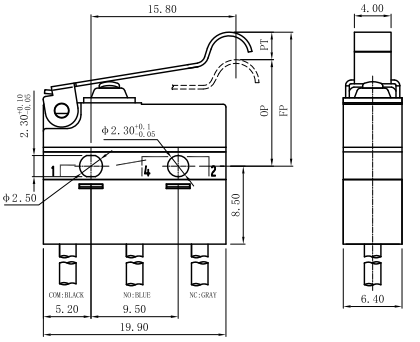
Dimensions and Operating Characteristics

◆ G9□□-□□□E03W1U



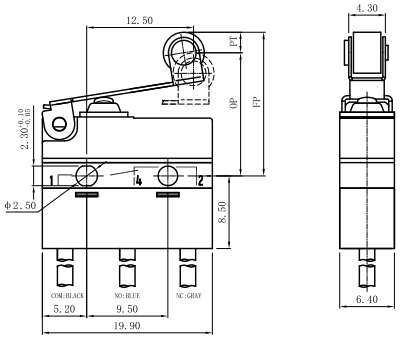
OF Max (gf)	RF Min (gf)	PT Max (mm)	OT Min (mm)	DT Max (mm)	FP Max (mm)	OP (mm)
-150	40	5	6.3	1.0	1.0	13.5	8.8±1.8
-300	75	13	6.3	1.0	1.0	13.5	8.8±1.8

◆ G9□□-□□□E05W1U



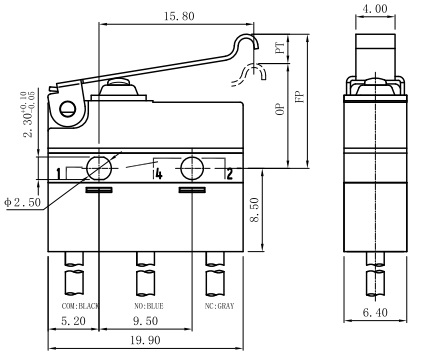
OF Max (gf)	RF Min (gf)	PT Max (mm)	OT Min (mm)	DT Max (mm)	FP Max (mm)	OP (mm)
-150	40	6	4.6	0.7	0.8	15.5	11.8±1.5
-300	95	18	4.6	0.7	0.8	15.5	11.8±1.5

◆ G9□□-□□□E06W1U



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
-300	110	25	4.3	0.6	0.7	17.5	14.5±1.1

◆ G9□□-□□□E07W1U



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	14.0	10.7±1.5
-300	95	18	4.6	0.7	0.8	14.0	10.7±1.5