

## G9A/G9B

### Waterproof and Dustproof Miniature Micro Switch



#### ■ Features

- ◆ G9A dust and water proof (IP67) / G9B dust proof (IP40)
- ◆ Small compact size
- ◆ Long life and high reliability
- ◆ Variety of terminals
- ◆ Variety of levers optional
- ◆ Long over-travel of 2.20mm minimum
- ◆ Widely used in auto control, home appliances and other industry control

#### ■ Application

- ◆ Auto electronics
- ◆ Home appliances
- ◆ Apparatus and instruments

#### ■ Parameters:

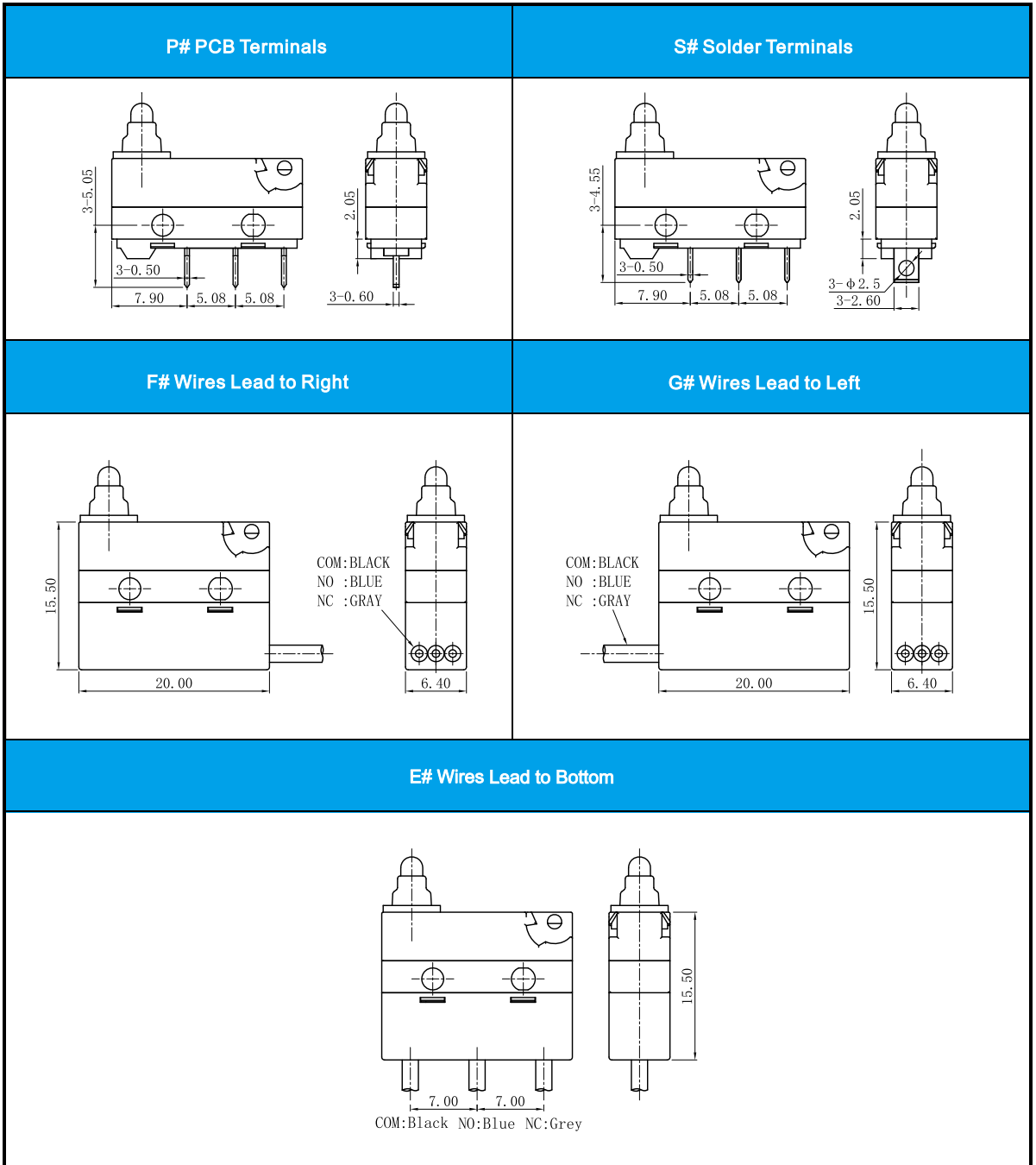
Rating	P1	0.1A 125/250VAC, 0.1A 30VDC
	05	5(2)A 125/250VAC, 5A 30VDC
Operating Frequency	Electrical	10~30 cycles/min
	Mechanical	120 cycles/min
Contact Resistance (Initiative)	With terminals type	≤100mΩ
	With wire type	≤200mΩ (500mm wires length)
Insulation Resistance (at 500VDC)		≥100MΩ
Voltage Resistance	Between terminals	AC 500V, 50/60Hz, 1min
	Between terminals and uncharged metal parts	AC 1,000V, 50/60Hz, 1min
Service Life	Electrical	50,000 cycles
	Mechanical	200,000 cycles (IP67) 200,000 cycles (IP40)
Operating Temperature		-40~ +85°C
Operating Humidity		95% RH Max.

## G9A/G9B Series Micro Switch Ordering Instruction

G9A	05	200	S	01	A	F	300	T001	U
Switch Type	Electrical Rating	Max Operating Force at Pin Plunger	Terminal Type	Lever Type	Circuitry	Waterproof Code	Wires Length (AWG Number UL1007 AWG Type 20#)	Custom Code	LOGO
G9A IP67 G9B IP40 Series - Micro Switch	P1 ENEC/CQC: 0.1A 125/250VAC 30VDC 40T85 μ 5E4 UL/cUL 0.1A 125/250VAC 30VDC	200 200gf Max	S	00	A		500mm length standard lead wires	General	U
	05 ENEC/CQC: 5(2)A 125/250VAC 30VDC 40T85 μ 5E4 UL/cUL 5A 125/250VAC 30VDC	... Other	P	01	B	F	300mm length	TO 01 Customized according to requirements the code format is T+serial number XXX for example:T001	Other
	...		E	...	C	...	Other	...	...
	Other		F			Other		Other	
			G						
			...						

## Terminal Type

◆ Terminal Thickness:0.5mm



## Mounting Hole and Operating Characteristics

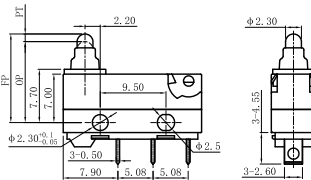
Mounting Hole Dimension	Mounting Hole Dimension of PCB Terminals
<p>2-φ2.3 mounting holes or M2.2 screw holes</p> <p>9.50 ± 0.15</p>	<p>3-φ1.35~1.5dia</p> <p>2.60 9.50 ± 0.15</p> <p>2.55 5.08 5.08</p>

## Circuitry

	SPDT	SPST-NC	SPST-NO
	<p>2 NC</p> <p>3 NO</p> <p>COM</p>	<p>2 NC</p> <p>COM</p>	<p>2 NO</p> <p>3 NO</p> <p>COM</p>

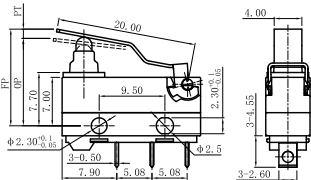
## Dimensions and Operating Characteristics

### ◆ G9A□□-□□□S00AU



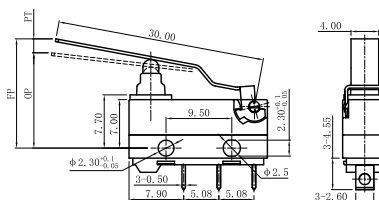
OF Max. (gf)	RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	DT Max. (mm)	FP Max. (mm)	OP (mm)
-200	200	20	1.7	2.2	0.9	13.0
						11.7 ± 0.4

### ◆ G9A□□-□□□S01AU



OF Max. (gf)	RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	DT Max. (mm)	FP Max. (mm)	OP (mm)
-200	200	20	2.9	2.2	1.0	14.5
						12.6 ± 0.8

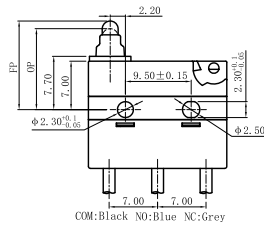
### ◆ G9A□□-□□□S02AU



OF Max. (gf)	RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	DT Max. (mm)	FP Max. (mm)	OP (mm)
-200	150	20	4.0	2.9	1.3	16.5
						13.5 ± 1.0

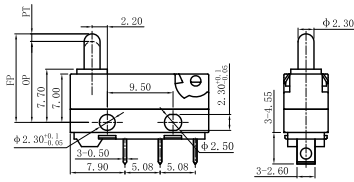
## ■ Dimensions and Operating Characteristics

### ◆ G9A□□-□□□E00AU



OF Max. (gf)	RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	DT Max. (mm)	FP Max. (mm)	OP (mm)
-200	200	20	1.7	2.2	0.9	13
11.7 ± 0.4						

### ◆ G9B□□-□□□S00AU



OF Max. (gf)	RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	DT Max. (mm)	FP Max. (mm)	OP (mm)
-200	200	20	1.7	2.2	0.9	13.0
11.7 ± 0.4						