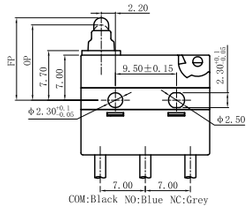
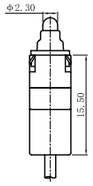
Dimensions and Operating Characteristics

◆G9A□□-□□□E00A



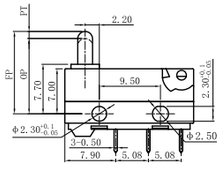


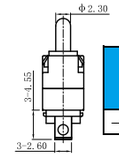


OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	DT Max. (mm)	FP Max. (mm)	OP (mm)
-200	200	20	1.7	2.2	0.9	13	11.7±0.4

◆G9B□□-□□□S00A







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

G10 Series

Subminiature Micro Switch



Features

- ◆Small Compact Size
- ◆Long Life and High Reliablity
- ◆Variety of Terminals
- ◆Variety of Levers Optional
- ◆Widely used in Appliance and Industry Control

Application

- ◆Waikie Talkie
- ◆Mouse
- ◆Electric Knife
- ◆Electric Stapler
- ◆Telephone
- ◆Calculator
- ◆Mixer & Chopper
- ◆Electeic Pan
- ◆Battery Charger
- ◆Video Cassette Rewinder
- ◆Cordless Phone
- ◆Alarm
- ◆Tester Machine
- ◆Home Appliance

Parameters:

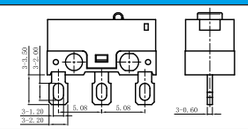
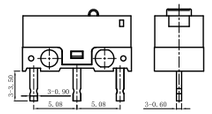
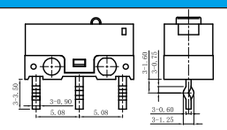
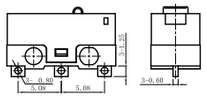
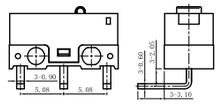
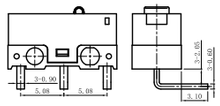
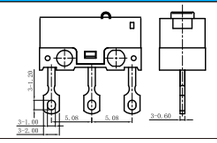
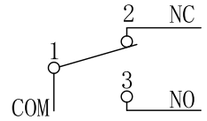
Rating	P1	0.1A 48VDC/125VAC (Gold plated optional)
	03	1A/3A 125VAC
Operating Frequency	Electrical	10~30 cycles/minute
	Mechanical	120 cycles/minute
Contact Resistance(Initial Value)		100mΩ Max (Depends on P/Ns)
Insulation Resistance(at500 VDC)		At 500VDC,100MΩ Min
Dielectric Strength		AC 600V RMS (50-60HZ)
Storage Temperature		-40℃~+85℃
Storage Humidity		85%RH Max
Service Life	Electrical	6,000~100,000 cycles(Depends on P/Ns)
	Mechanical	1,000,000 cycles(5,000,000 cycles Optional)
Unit Net Weight		About 0.5g(Straight PCB type without lever)

G10 Series Micro Switch Ordering Instruction

G10	Switch Type	G10 Series Micro-Switch	
P1	Electrical Rating	P1	ENEC/CQC 0.1A 48VDC/125VAC 5E4 μ 40T85; UL/CUL: 0.1A 48VDC/125VAC
		03	ENEC/CQC 1A/3A,125VAC 1E4 μ 40T85; UL/CUL: 1A/3A,125VAC
150	Max Operating Force at Pin Plunger	090	90gf Max
		150	150gf Max
		…	Other
S	Terminal Type	S	Solder Terminals
		P	Straight PCB Terminals
		Q	Snap in PCB Terminals
		M	Short Solder Terminals
		R	Right Angled PCB Terminals
		L	Left Angled PCB Terminals
		K	Long Solder Terminals
		…	Special Terminals
00	Lever Type	00	NO Lever Pin Plunger
		01	Short Straight Lever 0.39"
		02	Std.Straight Lever 0.52"
		03	Long Straight Lever 0.71"
		05	Simulated Roller Lever 0.46"
		07	15.0mm Small Simulated Roller Lever 0.59"
		09	long straight lever
		10	12.80mm Roller lever
		…	Special Lever
A	Circuit code	A	SPDT
XX	Special Designator	General	
		A	Gold Plated
		B	Only for low current
		12	Non-Halogen Material
TXXX	Special Designator		Here means special designator letter, refer to product specification for details

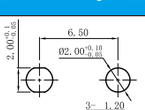
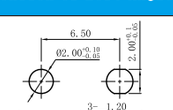
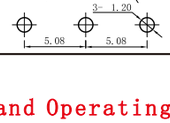
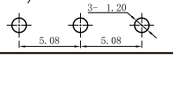
■Terminal Type

◆Terminal thickness:0.6mm

Straight Solder Terminals	Straight PCB Terminals	PCB snap-in(clip) Terminals
		
Short Solder Terminals	**Right Angled PCB Terminals**	**Left Angled PCB Terminals**
		
Long Solder Terminals	**■Circuit Configuration**	
		

■Mounting Hole Dimension

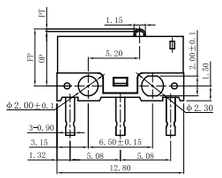
□Unit:mm)

Mounting Hole Dimension	Mounting Hole Dimension of PCB Terminals
	
Mounting Hole Dimension of Right Angled PCB Terminals	**Mounting Hole Dimension of Left Angled PCB Terminals**
	

■Dimensions and Operating Characteristics

◆G10□□-□P00A

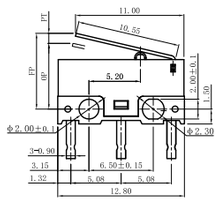




OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	DT Max. (mm)	FP Max. (mm)	OP. (mm)
-090	90	15	0.65	0.2	0.2	6.0	5.5±0.3
-150	150	20					

◆G10□□-□P01A

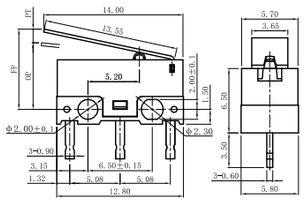




OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	DT Max. (mm)	FP Max. (mm)	OP. (mm)
-090	40	6	2.5	0.3	0.6	8.0	6.25±0.8
-150	60	10					

◆G10□□-□P02A

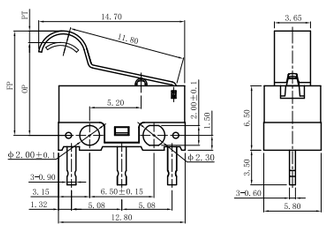




OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	DT Max. (mm)	FP Max. (mm)	OP (mm)
-090	30	4	3.4	0.3	0.8	8.8	6.35±0.9
-150	50	8					

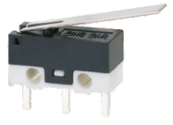
◆G10□□-□P05A

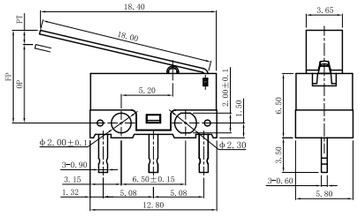




OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	DT Max. (mm)	FP Max. (mm)	OP (mm)
-090	40	5	3.0	0.3	0.7	12.0	9.5±0.8
-150	50	8					

◆G10□□-□P03A

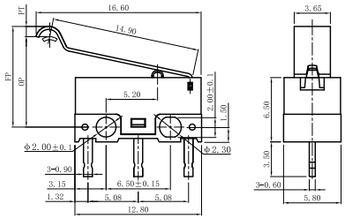




OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	DT Max. (mm)	FP Max. (mm)	OP (mm)
-090	40	3	4.0	0.5	1.0	10.0	7.5±1.5
-150	50	5					

◆G10□□-□P07A

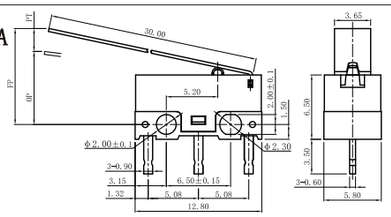




OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	DT Max. (mm)	FP Max. (mm)	OP (mm)
-090	30	5	3.5	0.3	1.1	11.5	8.2±1.0
-150	50	8					

◆G10□□-□P09A

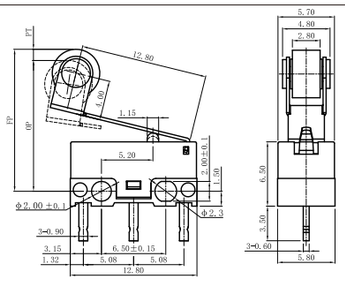




OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	DT Max. (mm)	FP Max. (mm)	OP (mm)
-090	15	2	6.9	0.4	2.5	14.0	8.2±2.1
-150	23	3					

◆G10□□-□P10A





OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	DT Max. (mm)	FP Max. (mm)	OP (mm)
-090	35	3	5.5	0.3	0.8	16.5	13.0±1.3
-150	50	6					

G10A Series

Subminiature Micro Switch



■ Features

-Small Compact Size
-Long Life and High Reliablity
-Variety of Terminals
-Variety of Levers Optional
-Windely used in Appliance and Industry Control

■ Application

- ◆ Mouse
- ◆ Electric Knife
- ◆ Electric Stapler
- ◆ Telephone
- ◆ Calculator
- ◆ Mixer & Chopper
- ◆ Battery Charger
- ◆ Cordiess Phone
- ◆ Alarm
- ◆ Cleaner
- ◆ Home Appliance

■ Parameters:

Rating	P1	0.1A 125/250VAC 30VDC
	03	3A 125/250VAC 30VDC
Operating Frequency	Electrical	10～30 cycles/minute
	Mechanical	120 cycles/minute
Contact Resistance(Initial Value)		100mΩMax
Insulation Resistance(at500VDC)		At500VDC, 100MΩMin
Dielectric Strength		AC 600V RMS(50-60Hz)
Storage Temperature		-40℃～+85℃
Storage Humidity		85% RH Max
Service Life	Electrical	10,000 cycles
	Mechanical	1,000,000 cycles