G9A/G9B Sub-Miniature Micro Switch

3.5mm Travel 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
-Windely used in Auto Control,Appliance and Other industry Control

Application

- Auto Electronics
- Home Appliance
- 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/minute
	Mechanical	120 cycles/minute
Contact Resistance (Initia Value)	With terminals type	≤100mΩ
	With wire type	≤200mΩ (500mm)
Insulation Resistance(at500VDC)		≥100MΩ(DC500V)
Volatge Resistance	Between terminals	AC 500V,50/60HZ,1min
	Between terminals and uncharged metal parts	AC 1000V,50/60HZ,1min
Service Life	Electrical	50,000 cycles
	Mechanical	200,000 cycles(IP67) 2000,000 cycles(IP40)
Storage Temperature		－40～+85° C
Storage Humidity		95% RH Max

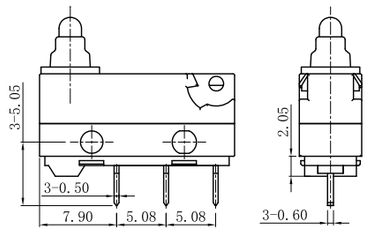
G9A/G9B Series Micro Switch Ordering Instruction

G9A	Switch Type	G9A IP67 G9B IP40 Series-Micro Switch		
05	Electrical Rating	P1 ENEC/CQC: 0.1A 125/250VAC 30VDC 40T85 μ 5E4 UL/CUL: 0.1A 125/250VAC 30VDC	05 ENEC/CQC: 5(2)A125/250VAC 30VDC 40T85 μ 5E4 UL/CUL: 5A 125/250VAC 30VDC	... Other
200	Max Operating Force at Pin Plunger	200 200gf Max	... Other	
S	Terminal Type	S Solder Terminals	P Straight PCB Terminals	E Molded lead wiresdownwards
		F Molded lead WiresLeads to right Side(Opposite to Pin plunger side)	G Molded lead Wires Leads to left Side (Pin plunger side)	... Special Terminals
A	Circuit code	A SPDT	B SPST-NC	C SPST-NO
F	Waterproof code	Low pressure injection moiding	F Waterproof shell	... Other
300	Wires length (AWG Number UL1007 AWG Type 20#)	500mm length standardlead wires 500mm	300 300mm length	... Other
T001	Custom code	T001	... Other	
01	Lever Type	00 No Lever Pin Plunger	01 01 Plunger	... Other
U	Logo	ZING EAR	U Unionwell	... Other

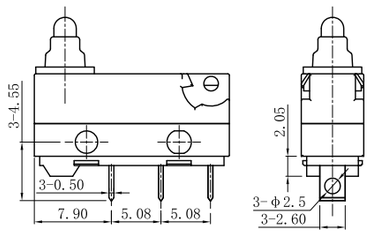
Terminal Type

◆ Terminal thickness:0.5mm

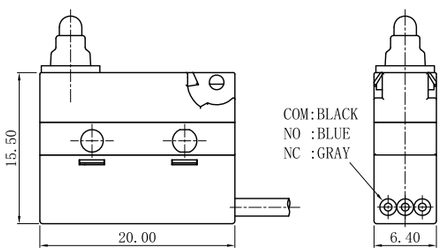
S#: Solder Terminals



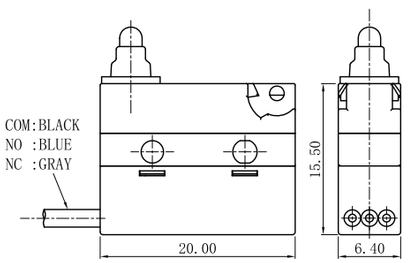
P#: PCB Terminals



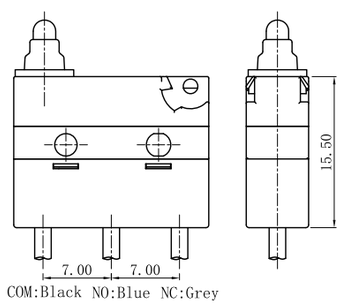
F#: Wires leads to right



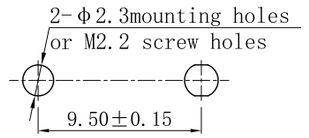
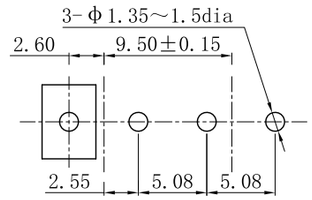
G#: Wires leads to left



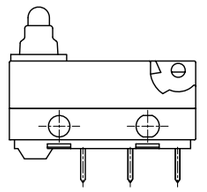
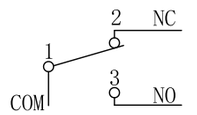
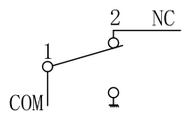
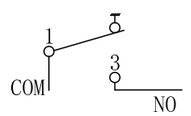
E#: Wires lead to bottom



Mounting Hole and Operating Characteristics

Mounting Hole Dimension	Mounting Hole Dimension of PCB Terminals
	

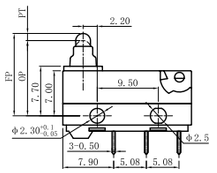
Circuit

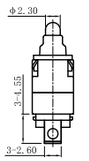
	SPDT	SPST-NC	SPST-NO
			

Dimensions and Operating Characteristics

◆G9A□□-□□□S00A



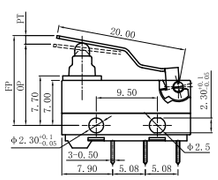


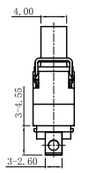


OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	DT Max. (mm)	FP Max. (mm)	OP (mm)
-200	200	20	1.7	2.2	0.9	13.0	11.7±0.4

◆G9A□□-□□□S01A



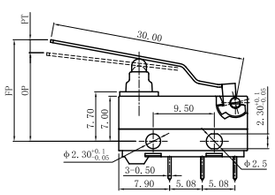


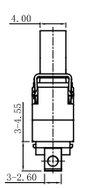


OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	DT Max. (mm)	FP Max. (mm)	OP (mm)
-200	200	20	2.9	2.2	1.0	14.5	12.6±0.8

◆G9A□□-□□□S02A





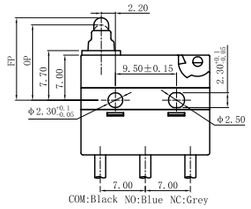


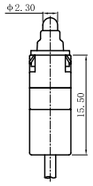
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	DT Max. (mm)	FP Max. (mm)	OP (mm)
-200	150	20	4.0	2.9	1.3	16.5	13.5±1.0

Dimensions and Operating Characteristics

◆G9A□□-□□□E00A



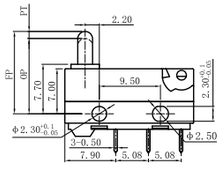


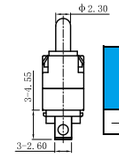


OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	DT Max. (mm)	FP Max. (mm)	OP (mm)
-200	200	20	1.7	2.2	0.9	13	11.7±0.4

◆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)