G91 Series

Dustproof Mini Micro Switch

■Features

-Small Compact Size
-Long Life,High Reliability
-Variety of Terminals and Levers
-Widely Used in Auto,Appliance
and Other Industry Control

■Application

◆Auto
◆Push Rod
◆Tubular Motor
◆Air-Conditioner
◆Alarm
◆Mixer&Meat Grinder
◆Fax Machine
◆Money Sorter
◆Toy Car

■Parameters:

Rating	P1	ENEC/UL:0.1A 125/250V 48VDC Gold Plated Contact Optional
	05	ENEC:5A 125/250VAC;5A 1/8HP,125/250VAC
	10	ENEC:10(1.5A) 125/250VAC;UL:10A 1/4HP 125/250VAC
Operating Frequency	Electrical	10~30 cycles/minute
	Mechanical	120 cycles/minute
Contact Resistance(Intiative)		100mΩ Max
Insulation Resistance(at 500VDC)		100mΩ Min
Dielectric Strength		1,000VAC RMS(50~60Hz)
Operating Temperature		-40°C~+125°C or-40°C~+85°C
Storage Humidity		85%RH Max
Service Life	Electrical	10,000~100,000 cycles(Depend on part NO.)
	Mechanical	1,000,000 cycles

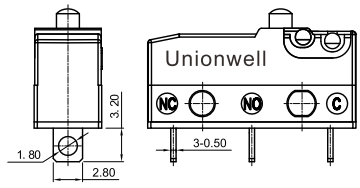
G91 Series Micro Switch Ordering Instruction

G91	05	150	S	00	D	1	
Switch Type	Electrical Rating	Operating Force at pin Plunger,Max	Terminal Style	Lever Type	Construction	Circuit Code	Special Designator
G91 Series Micro-Switch	P1 ENEC/CQC: 0.1A 125/250VAC 48VDC 25T125 5E4 UL/CUL: 0.1A 125/250VAC 48VDC	100 100gf Max.	S Solder Connect	00 No lever Pin Plunger (Spherical surface)	D Mounting Hole 2.30mm	1 SPDT	General Temperatnre grade 40T125
	05 ENEC/CQC: 5A 125/250VAC 5E4 μ 40T125 UL/CUL: 5A 125/250VAC	150 150gf Max.	P Straight PCB connect(0.6mm wide)	0A Cambered Surface	E Φ1.8mmX2.8mm two sides posts Φ1.8mmX2.8mm	2 SPST-NC	T Temperature grade 40T85
	10 ENEC/CQC: 10(1.5)A 125/250VAC μ 40T125 UL/CUL: 10.1A 1/4HP 125/250VAC	250 250gf Max.	D 0.11 "x0.023" Quick connect	01 Short Straight Lever 17.7mm	F Φ1.8mmX2.8mm Right sides posts Φ1.8mmX2.8mm	3 SPST-NO	ΠXXX Custom code
		300 300gf Max.	R Right side PCB connect	02 Std. Straight Lever 19.9mm	G Φ1.8mmX2.8mm left sides posts Φ1.8mmX2.8mm		
			L Left side PCB connect	03 Long Straight Lever 25.8mm	··· Other		
			K wide Straight PCB connect(0.6mm wide)	04 Long Straight Lever 55.30mm			
			··· Other	05 Small Simulated Roller Lever15.9mm			
				06 Roller Lever 15.8mm			
				07 Small Simulated Roller Lever18.15mm			
				08 Small Simulated Roller Lever19.00mm			

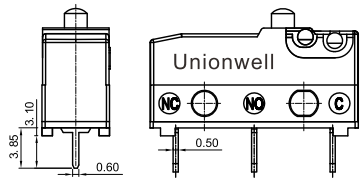
■Terminal type for G91

(单位/Unit:mm)

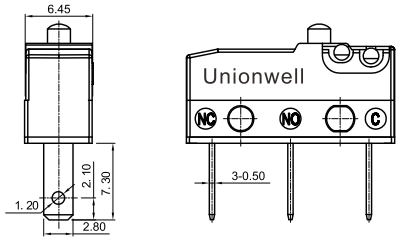
S#: Solder Terminals



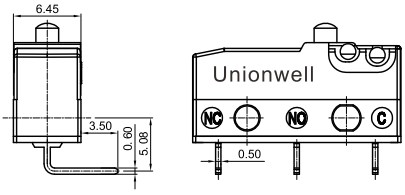
P#: Straight PCB Terminals(0.6mm wide)



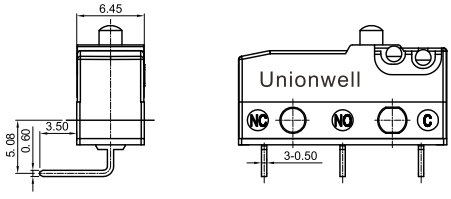
D#: 110# Quick Connect Terminals



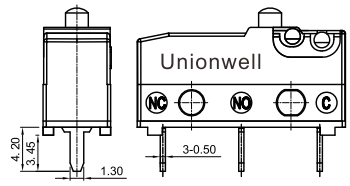
R#: Right Angled PCB Terminals



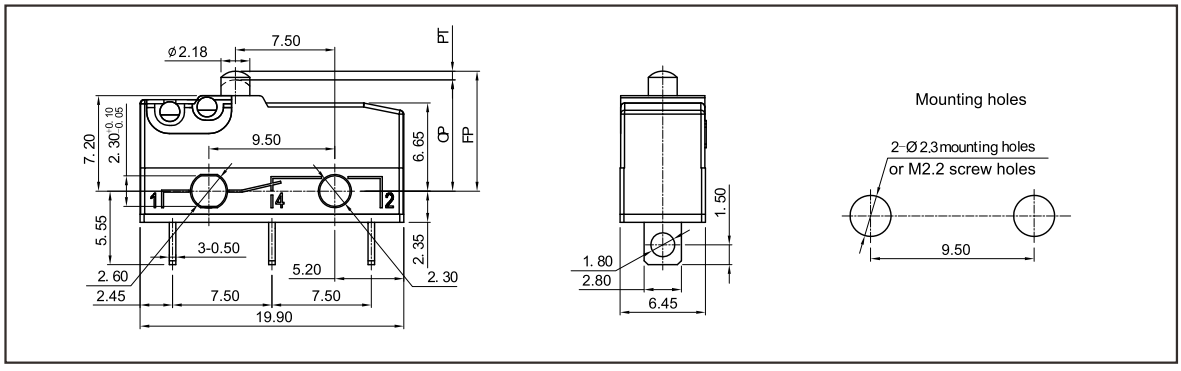
L#: Left Angled PCB Terminals



K#: Straight PCB PCB Terminals(1.3mm Wide)

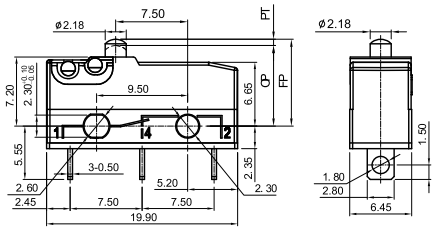


■Mounting Hole and Operating Characteristics



■Dimensions and Operating Characteristics

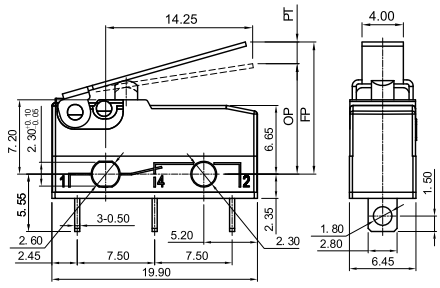
◆ Pin Plunger



Part NO.	Parameters							
	OF Max.		RF Min.		PT Max.	OT Min.	MD Max.	OP
	(N)	(gf)	(N)	(gf)	(mm)	(mm)	(mm)	(mm)
G91□□-100□00D1	1.00	100	0.10	10	1.1	0.6	0.2	8.4±0.3
G91□□-150□00D1	1.50	150	0.35	35	1.1	0.6	0.2	8.4±0.3
G91□□-250□00D1	2.50	250	0.40	40	1.1	0.6	0.2	8.4±0.3
G91□□-300□00D1	3.00	300	0.60	60	1.1	0.6	0.2	8.4±0.3

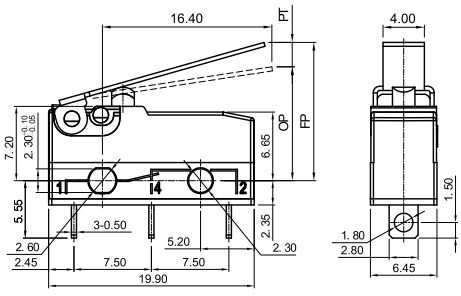
■Dimensions and Operating Characteristics

◆ Short Straight Lever



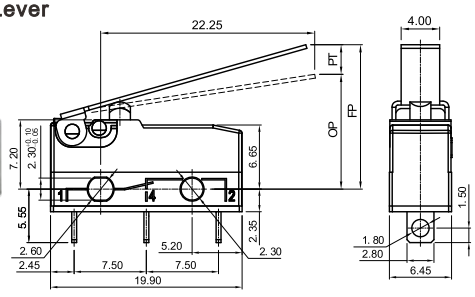
Part NO.	Parameters							
	OF Max.		RF Min.		PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	OP (mm)
	(N)	(gf)	(N)	(gf)				
G91□□-100□01D1	0.45	45	0.03	3	4.3	1.2	0.8	10.7±0.3
G91□□-150□01D1	0.60	60	0.08	8	4.3	1.2	0.8	10.7±0.3
G91□□-250□01D1	0.85	85	0.10	10	4.3	1.2	0.8	10.7±0.3
G91□□-300□01D1	1.20	120	0.15	15	4.3	1.2	0.8	10.7±0.3

◆ Std.Straight Lever



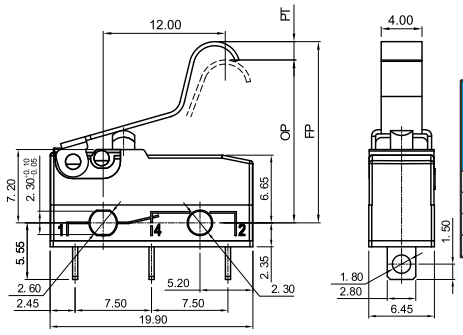
Part NO.	Parameters							
	OF Max.		RF Min.		PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	OP (mm)
	(N)	(gf)	(N)	(gf)				
G91□□-100□02D1	0.40	40	0.02	2	4.8	1.2	1.2	11.1±1.5
G91□□-150□02D1	0.50	50	0.06	6	4.8	1.2	1.2	11.1±1.5
G91□□-250□02D1	0.75	75	0.08	8	4.8	1.2	1.2	11.1±1.5
G91□□-300□02D1	1.10	110	0.12	12	4.8	1.2	1.2	11.1±1.5

◆ Long Straight Lever



Part NO.	Parameters							
	OF Max.		RF Min.		PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	OP (mm)
	(N)	(gf)	(N)	(gf)				
G91□□-100□03D1	0.35	35	0.01	1	6.3	1.5	1.5	12.0±1.8
G91□□-150□03D1	0.40	40	0.04	4	6.3	1.5	1.5	12.0±1.8
G91□□-250□03D1	0.65	65	0.06	6	6.3	1.5	1.5	12.0±1.8
G91□□-300□03D1	0.90	90	0.10	10	6.3	1.5	1.5	12.0±1.8

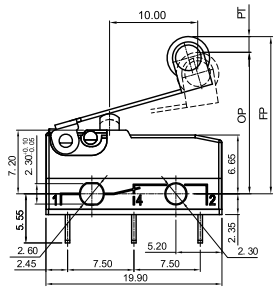
◆ Short Std.Simulated Roller Lever

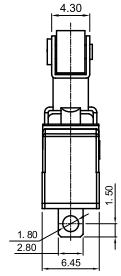


Part NO.	Parameters							
	OF Max.		RF Min.		PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	OP (mm)
	(N)	(gf)	(N)	(gf)				
G91□□-100□05D1	0.50	50	0.03	3	4.3	1.0	0.7	16.0±1.3
G91□□-150□05D1	0.65	65	0.08	8	4.3	1.0	0.7	16.0±1.3
G91□□-250□05D1	0.95	95	0.12	12	4.3	1.0	0.7	16.0±1.3
G91□□-300□05D1	1.30	130	0.16	16	4.3	1.0	0.7	16.0±1.3

■Dimensions and Operating Characteristics

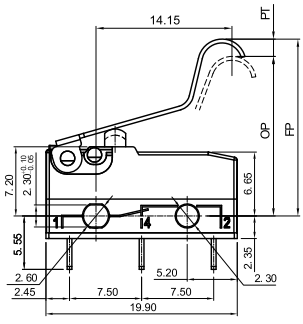
◆ Short Roller Lever

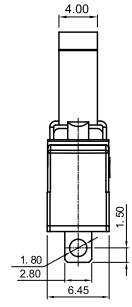




Part NO.	Parameters							
	OF Max.		RF Min.		PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	OP (mm)
	(N)	(gf)	(N)	(gf)				
G91□□-100□06D1	0.50	50	0.03	3	4.3	1.0	0.7	15.8±1.3
G91□□-150□06D1	0.65	65	0.08	8	4.3	1.0	0.7	15.8±1.3
G91□□-250□06D1	0.95	95	0.12	12	4.3	1.0	0.7	15.8±1.3
G91□□-300□06D1	1.30	130	0.16	16	4.3	1.0	0.7	15.8±1.3

◆ Long Std.Simulated Roller Lever





Part NO.	Parameters							
	OF Max.		RF Min.		PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	OP (mm)
	(N)	(gf)	(N)	(gf)				
G91□□-100□07D1	0.45	45	0.03	3	4.8	1.3	1.0	16.4±1.5
G91□□-150□07D1	0.60	60	0.08	8	4.8	1.3	1.0	16.4±1.5
G91□□-250□07D1	0.85	85	0.11	11	4.8	1.3	1.0	16.4±1.5
G91□□-300□07D1	1.20	120	0.15	15	4.8	1.3	1.0	16.4±1.5