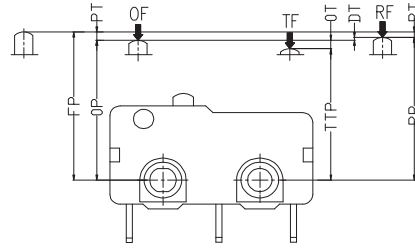


G6 Series

Miniature Micro Switch



Features

- Small Compact Size
- Global Safety Approvals
- Long Life and High Reliability
- Variety of Actuator and Terminals
- High Rating to 10(2)A, 1/4HP
- Customized Designs
- Widely used in Auto Control, Appliance Control, Industrial Control etc.

Applications

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

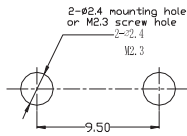
Parameters

Rating	P1/P11/P12	ENEC 0.1A 125/250V 48VDC 5E4 UL: 0.1A 125/250VAC 48VDC Gold Plated Contact Optional
	05/051/052	ENEC 5A 125/250VAC 5(3)A 125/250VAC 5A 30VDC UL: 5A 1/8HP 125/250VAC
	10/101	ENEC 10(2)A 125/250VAC μ 25T125 UL: 10.1A 1/4HP 125/250VAC
	12	ENEC: 12 (6) A 125/250VAC μ 40T125 UL: 12A 125/250VAC Only with 350gf OF
Operating Frequency	Electrical	10-30 cycles/min.
	Mechanical	120 cycles/min.
Contact Resistance (Initiative)		100M Ω Max
Insulation Resistance (at 500VDC)		100M Ω Min.
Dielectric Strength		AC 1000V RMS (50-60Hz)
Storage Temperature		-25°C ~ +125° C
Storage Humidity		85% RH Max
Service Life	Electrical	1.000 - 50.000 cycles (Depend on part No.)
	Mechanical	1,000,000 cycles

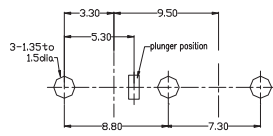
G6	05	150	S	00	A	A	XX
Switch Type	Electrical Rating	Max Operating Force at Pin Plunger	Terminal Type	Lever Type	Circuit Code	Special Designator	Special Designator
G6 Series Micro Switch	P1 ENEC/CQC: 0.1A 125/250VAC 48VDC 5E4 μ 25T125 UL 0.1A 125/250VAC 48VDC Gold plated contact optional	50 50gf 0.49 N (Only for 0.1A rating)	S Solder Terminals	00 No Lever Pin Plunger	A SPDT	General	Here means a special designator letter. Refer to Products Specification for detailed differences.
	05 ENEC/CQC: 5A 125/250VAC 30VDC 5E4 μ 25T125 UL 5A 1/8HP 125/250VAC 30VDC	100 100gf 0.98 N (Only for 0.1A and 5A rating)	P Straight PCB Terminals	01 16.7 mm Short Straight Lever 0.66"	B SPST-NC	A Gold Plated Contacts (Optional, only for G6P1)	
	10 ENEC/CQC: 10(2)A 125/250VAC μ 25T125 UL 10.1A 1/4HP 125/250VAC	150 150gf 1.49 N (Note: For G6P11, G6051, G610 1, Max. OF is 150gf)	R Right side PCB Terminals (Note: Only available for G6P1, G605, G610)	02 18.7 mm Standard Straight Lever 0.74"	C SPST-NO	D High DC Rating Special use	
	12 ENEC/CQC: 12(6)A 125/250VAC μ 25T125 UL 12A 125/250VAC	250 250gf 2.45 N (Note: Only available for G6P1, G605, G610)	L Right side PCB Terminals (Note: Only available for G6P1, G605, G610)	03 Long Straight Lever 0.98"		... Other	
	P11 ENEC/CQC: 0.1A 125/250VAC 48VDC 5E4 μ 25T125 UL 0.1A 125/250VAC 48VDC Gold plated contact optional Spring plate type	350 350gf 3.43 N Mainly for G612	D 110# 2.80x0.6 mm quick connect Terminals 0.11"x0.023"	04 35.1 mm Long Straight Lever 1.39"			
	051 ENEC/CQC: 5A 125/250VAC 5E4 μ 25T125 UL 5A 1/8HP 125/250VAC Spring plate type	F Special OF	E 110# 2.80x0.5 mm quick connect Terminals 0.11"x0.023"	05 18.0 mm Std. Simulated Roller Lever 0.71"			
	101 ENEC/CQC: 10(2)A 125/250VAC μ 25T125 UL 10.1A 1/4HP 125/250VAC Note: Switch with "10" rating are only available with "150" OF Spring plate type		... Special Terminals	06 16.6 mm Roller Lever 0.65"			
	P12 ENEC/CQC: 0.1A 125/250VAC 48VDC 5E4 μ 25T85 UL 0.1A 125/250VAC 48VDC Gold plated contact optional Bakelite Spring plate type			07 17.9 mm Small Simulated Roller Lever 0.71"			
	052 ENEC/CQC: 5A 125/250VAC 5E4 μ 25T85 UL 5A 1/8HP 125/250VAC Bakelite housing Spring plate type			09 Plastic Roller Lever			
				... Other			

Mounting Hole Dimensions

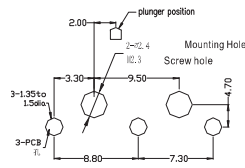
Solder and 110# Terminal



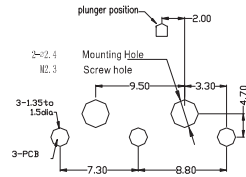
Straight PCB Terminal



Right Angled PCB Terminal

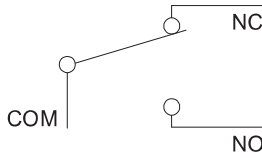


Left Angled PCB Terminal

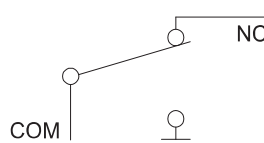


Circuit Configuration

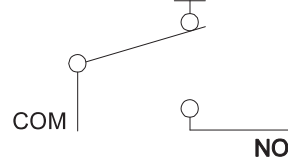
A SPDT



B SPST-NC

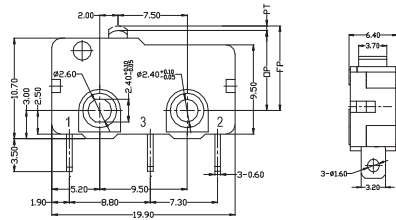


C SPST-NO

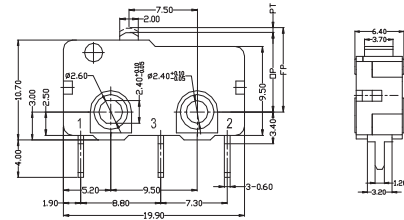


Terminal Dimensions

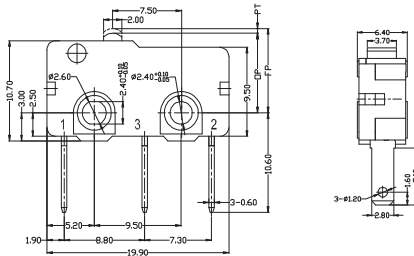
Solder Terminals



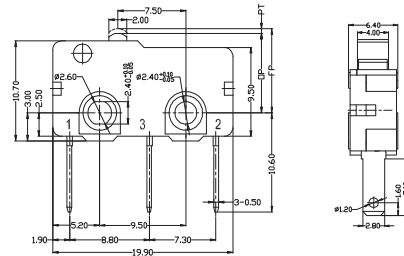
Straight PCB Terminals



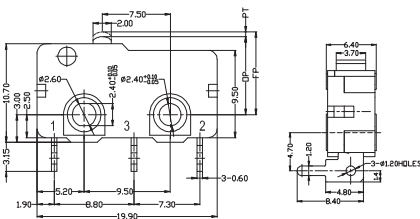
Quick Connect Terminals (Thickness: 0.6 mm)



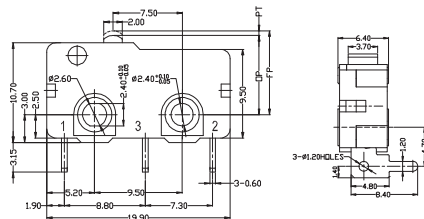
Quick Connect Terminals (Thickness: 0.5 mm)



Left Angled PCB Terminals

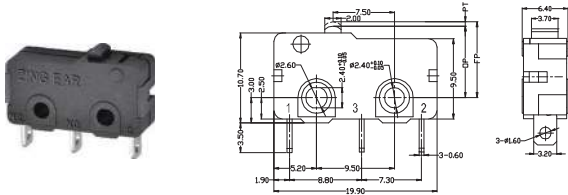


Right Angled PCB Terminals



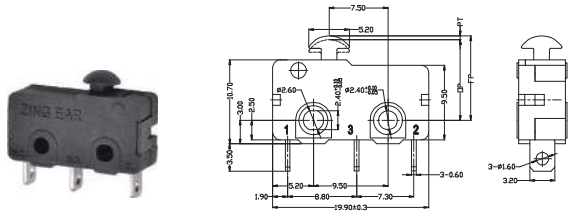
Dimensions and Operating Characteristics

G6□□-□□□S00A



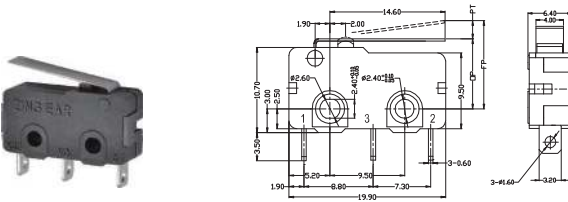
	OF Max. (gf)	RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	DT Max. (mm)	FP Max. (mm)	OP (mm)
-100	100	10	1.0	0.4	0.2	9.1	8.5±0.3
-150	150	35	1.0	0.4	0.2	9.1	8.5±0.3
-250	250	50	1.0	0.4	0.2	9.1	8.5±0.3
-350	350	80	1.0	0.4	0.2	9.1	8.5±0.3

G6□□-□□□S00A-B3



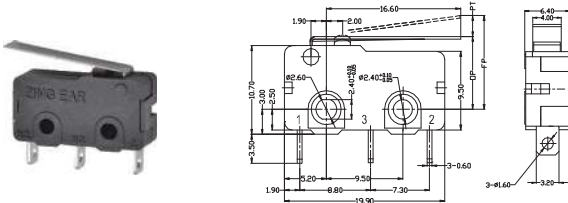
	OF Max. (gf)	RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	DT Max. (mm)	FP Max. (mm)	OP (mm)
-100	100	10	1.0	0.4	0.2	10.9	10.3±0.3
-150	150	35	1.0	0.4	0.2	10.9	10.3±0.3
-250	250	50	1.0	0.4	0.2	10.9	10.3±0.3

G6□□-□□□S01A



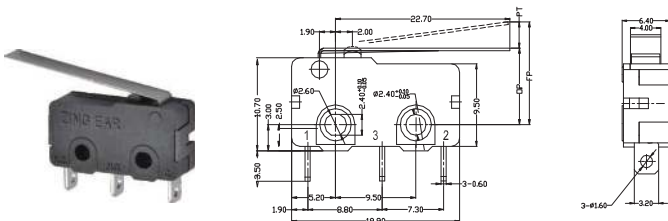
	OF Max. (gf)	RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	DT Max. (mm)	FP Max. (mm)	OP (mm)
-100	40	6	3.6	0.6	1.0	11.7	8.9±1.0
-150	50	8	3.6	0.6	1.0	11.7	8.9±1.0
-250	80	15	3.6	0.6	1.0	11.7	8.9±1.0
-350	110	30	3.6	0.6	1.0	11.7	8.9±1.0

G6□□-□□□S02A



	OF Max. (gf)	RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	DT Max. (mm)	FP Max. (mm)	OP (mm)
-100	35	5	4.0	0.6	1.0	12.0	8.9±1.2
-150	45	6	4.0	0.6	1.0	12.0	8.9±1.2
-250	75	10	4.0	0.6	1.0	12.0	8.9±1.2
-350	110	30	4.0	0.6	1.0	12.0	8.9±1.2

G6□□-□□□S03A



	OF Max. (gf)	RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	DT Max. (mm)	FP Max. (mm)	OP (mm)
-100	25	2	6.1	0.8	1.8	13.5	8.9±1.8
-150	35	6	6.1	0.8	1.8	13.5	8.9±1.8
-250	55	10	6.1	0.8	1.8	13.5	8.9±1.8

G6□□-□□□S04A

