

G6 Series

Miniature Micro Switch



■ Features

- ◆ Small compact size
- ◆ Global safety approvals
- ◆ Long life and high reliability
- ◆ Terminal load to 10(2)A, 1/4HP
- ◆ Variety of actuator and terminals
- ◆ Customized designs
- ◆ Widely used in auto control, appliance control, industrial control etc.

■ Application

- | | |
|------------------------|-----------------------------------|
| ◆ Phone | ◆ Pump |
| ◆ Air-Conditioner | ◆ Gas Detector |
| ◆ Computer | ◆ Pencil Sharpener |
| ◆ Humidifier | ◆ Money Sorter |
| ◆ Alarm | ◆ Food Processor |
| ◆ Timer | ◆ Electric Knife |
| ◆ Mixer & Meat Grinder | ◆ Toy Car |
| ◆ Welding Machine | ◆ Juice Extractor |
| ◆ Neon Phone | ◆ Lighting Equipment |
| ◆ Fax Machine | ◆ Electric Frying Pan |
| ◆ Game Controller | ◆ Linear Actuator & Tubular Motor |

■ Parameters

Rating	P1	ENEC/CQC: 0.1A 125/250VAC 0.1A 48VDC 5E4 25T125 UL: 0.1A 125/250VAC 0.1A 48VDC Gold Plated Contact Optional
	05	ENEC/CQC: 5(3)A 125/250VAC 5A 125/250VAC 5A 30VDC 25T120 μ 5E4 UL: 5A 125/250VAC 1/8HP 125/250VAC 5A 30VDC
	051/052	ENEC/CQC: 5A 125/250VAC 25T120 μ 5E4 UL: 5A 125/250VAC 1/8HP 125/250VAC
	10/101	ENEC/CQC: 10(2)A 125/250VAC 25T120 μ 5E4 UL: 10.1A 125/250VAC 1/4HP 125/250VAC 10A 30VDC Note: Only with "OF" over "250gf"
	12	ENEC/CQC: 12(6)A 125/250VAC 40T125 μ 1E4 UL: 12A 125/250VAC Note: Only with 350gf OF
Operating Frequency	Electrical	10~30 cycles/min
	Mechanical	120 cycles/min
Contact Resistance (Initiative)		100mΩ Max.
Insulation Resistance (at 500VDC)		100MΩ Min.
Dielectric Strength	Between Terminals	1,000VAC 50~60Hz for 1 Min.
	Between Terminals and Housing	1,500VAC 50~60Hz for 1 Min.
Operating Temperature		-25℃~+125℃
Operating Humidity		85%RH Max.
Service Life	Electrical	10,000~50,000 cycles (Depend on P/N)
	Mechanical	1,000,000 cycles

G6 Series Micro Switch Ordering Instruction

G6	05	150	S	00	A	A	T001	U
Switch Type	Electrical Rating	Max. Operating Force at Pin Plunger	Terminal Style	Lever Type	Circuitry	Special Designator	Custom Code	LOGO
G6 series micro switch	P1 ENEC/CQC: 0.1A 125/250VAC 0.1A 48VDC 5E4 25T125 UL: 0.1A 125/250VAC 0.1A 48VDC Gold plated contact optional	50 50gf 0.49N (Only for 0.1A rating)	S Solder Terminals	00 Nolever Pin Plunger	A SPDT	General	T0 01 General Customized according to requirements, the code format is T+ serial number XXX, for example: T001	U Unionwell
	05 ENEC/CQC: 5(3)A 125/250VAC 5A 125/250VAC 5A 30VDC 5E4 25T125 UL: 5A 125/250VAC 1/8HP 125/250VAC 5A 30VDC	100 100gf 0.98N (Only for 0.1A and 5A rating)	P Straight PCB Terminals	01 Short Straight Lever 0.66"	B SPST-NC	A Gold Plated Contacts (Optional, only for G6P1)		Other
	10 ENEC/CQC: 10(2)A 125/250VAC 1E4 25T125 UL: 10.1A 125/250VAC 1/4HP 125/250VAC 10A 30VDC Note: Switch "10" rating is only available with OF over "250gf"	150 150gf 1.49N (Only available for G6P1, G605, G610)	R Right Side PCB Terminals	02 18.70mm Std. Straight Lever 0.74"	C SPST-NO	D High DC Rating Special use		
	12 ENEC/CQC: 12(6)A 125/250VAC, 1E4 40T125 UL: 12A 125/250VAC OF only with 250gf	250 250gf 2.45N (Only available for G6P1, G605, G610)	L Left Side PCB Terminals	03 24.80mm Long Straight Lever 0.98"		Other		
	061 ENEC/CQC: 5A 125/250VAC 5E4 25T125 UL/cUL: 5A 125/250VAC 1/8HP 125/250VAC Spring plate type	350 350gf 3.43N Mainly for G612	D 110# 2.80 x0.6mm Quick Connect Terminals 0.11"x0.023"	04 35.10mm Longer Straight Lever 1.39"				
	101 ENEC/CQC: 10(2)A 125/250VAC 1E4 25T125 UL: 10.1A 125/250VAC 1/4HP 125/250VAC 10A 30VDC Note: Switch with "10" rating are only available with "150" OF spring plate type	F Special OF	E 110# 2.80 x0.5mm Quick Connect Terminals 0.11"x0.023"	05 18.00mm Std. Simulated Roller Lever 0.71"				
	062 ENEC/CQC: 5A 125/250VAC 5E4 25T85 UL: 5A 125/250VAC 1/8HP 125/250VAC Bakelite housing spring plate type		Special Terminals	06 16.60mm Copper Roller Lever				
				07 17.90mm Small Simulated Roller Lever 0.71"				
				08 16.50mm Plastic Roller Lever				
				Other				

■ Mounting Hole Dimensions

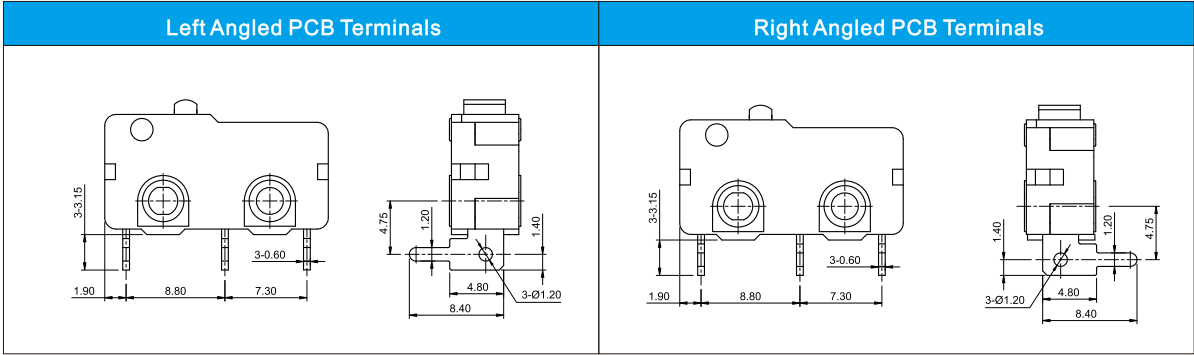
Solder and 110#Terminal	Straight PCB Terminal	Right Angled PCB Terminal	Left Angled PCB Terminal

■ Circuit Configuration

A# SPDT	B# SPST-NC	C# SPST-NO

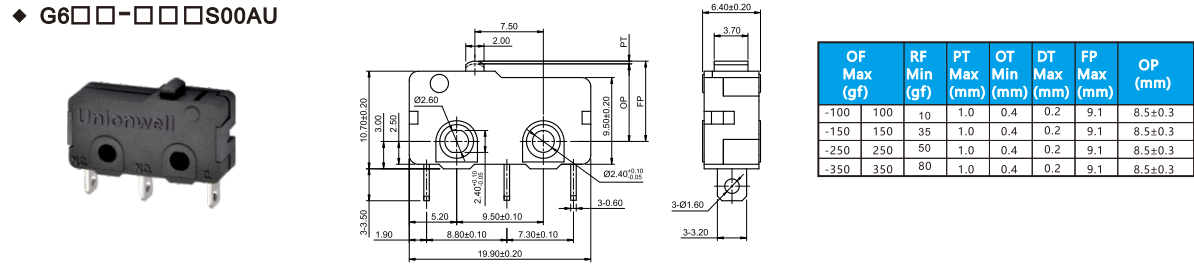
■ Terminal Dimensions

Solder Terminals	Straight PCB Terminals
Non-Standard Quick Connect Terminals (Thickness: 0.6mm)	Quick Connect Terminals (Thickness: 0.5mm)

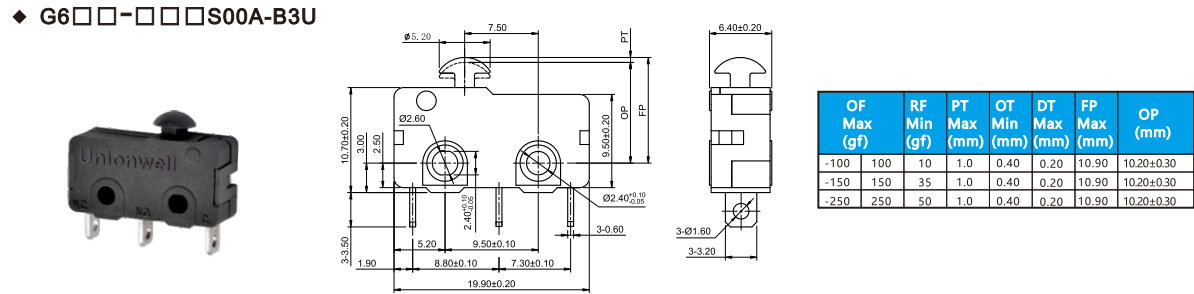


■ Dimensions and Operating Characteristics

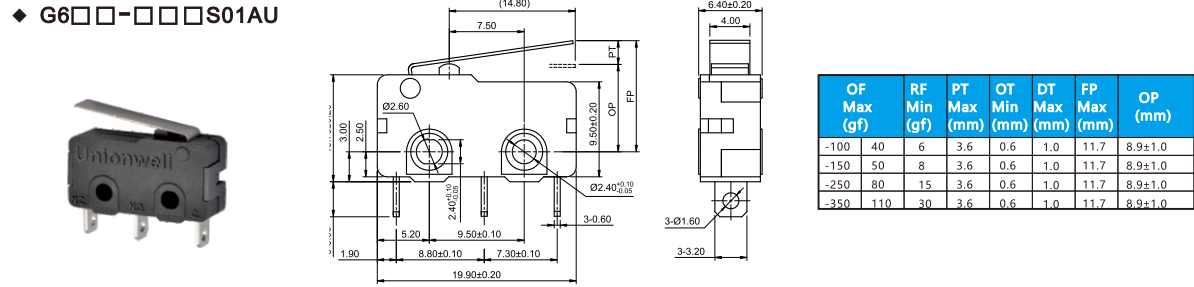
◆ G6□□-□□□S00AU



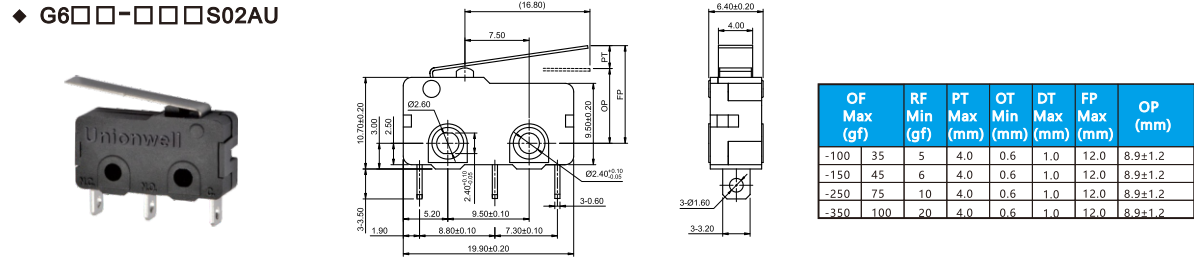
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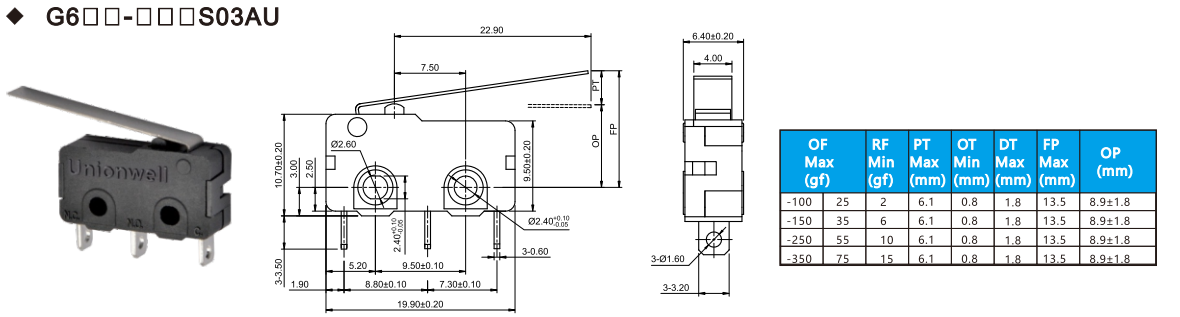
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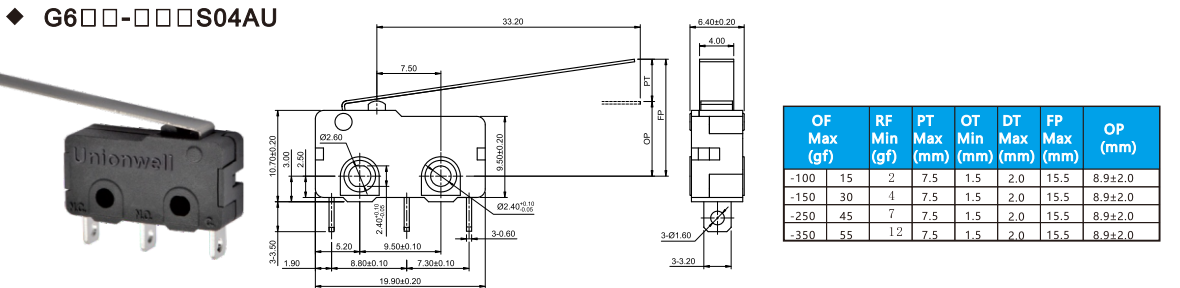
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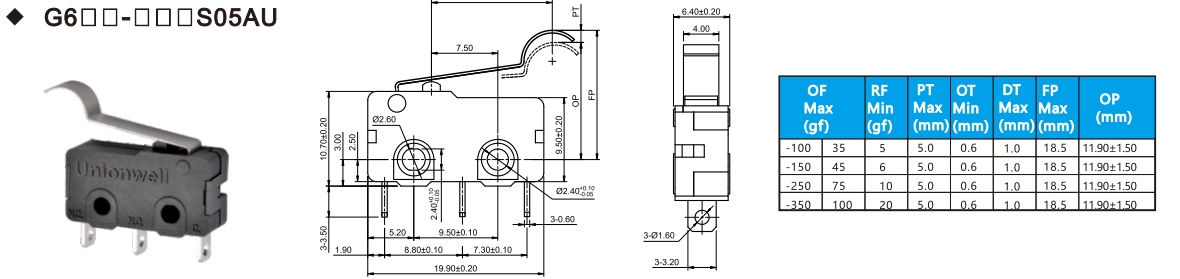
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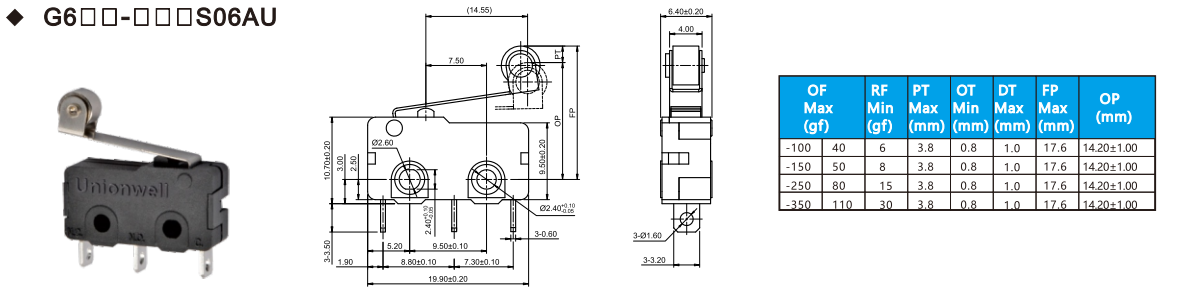
◆ G6□□-□□□S04AU



◆ G6□□-□□□S05AU



◆ G6□□-□□□S06AU



◆ G6□□-□□□S07AU

