

G304A Series

High Reliability Sealed Clip Type Subminiature Micro Switch



Features

- ◆ Small electrical rating and high contact reliability switch
- ◆ Sliding contact mute structure
- ◆ Widely applied in different environments, IP67 rated
- ◆ Widely used in home appliances, electronic equipment, automatic machines, communication equipment, auto electronics, apparatus and instruments, power tools etc

Application

- ◆ Home appliances
- ◆ Electronic equipment
- ◆ Automatic equipment
- ◆ Communication equipment
- ◆ Auto electronics
- ◆ Apparatus and instruments

Parameters

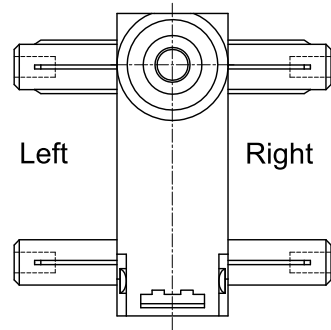
Operation Speed		1~500mm/s
Operation Frequency		120 cycles/min.
Insulation Resistance		≥100MΩ
Contact Resistance (Initial Value)	With terminals type	≤100mΩ
	With wire type	≤500mΩ (Standard wire length 300mm)
Voltage Resistance	Between terminals	AC500V, 50/60Hz, 1min.
	Between terminals and uncharged metal parts	AC1,000V, 50/60Hz, 1min.
Vibration Resistance	No transformation action	10-55Hz (Double amplitude 1.5mm)
Operating Life	Electrical	300,000 cycles (15 cycles/min.) DC12V 0.1A 50μA 5VDC
	Mechanical	300,000 cycles (30 cycles/min.)
Protection Level		IEC IP67 (Except terminals)
Operating Temperature		-40~+85°C
Operating Hamidity		85%RH Max.

G304A Series Micro Switch Ordering Instruction

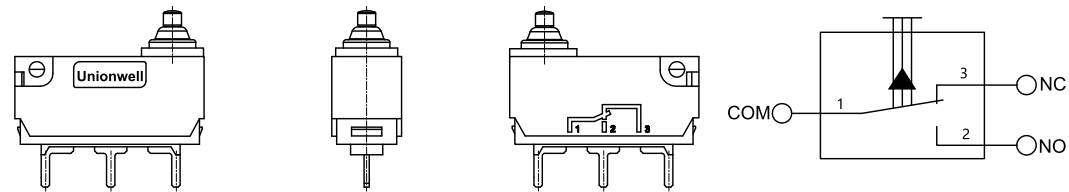
U	LOGO	U Unionwell	Other
T001	Custom Code	General	Customized according to requirements, T0 the code on left side, 01 serial number XXX for example: T001
280	Wires Length	300mm Length Standard Lead Wires	280mm Length
B	Type of wires Outline	E Wires Lead to Bottom	G Molded Lead Wires on Left Side
A	AWG Number (For wire type only)	No Molded Lead Wires	A UL1007
E	AWG Type (For wire type only)	No Molded Lead Wires	F 22#
A	Posts Dimension	A Standard Posts: 2.60mmx1.5mm	B Φ2.6x1.5mm Posts.
49	Shape and Posts	49 No Posts	50 Left Posts
D	Circuit Code	D Slide Non-short Circuit Type 1, 3 Convert to 1, 2 SPDT	E Slide Type, SPST-NO 1, 2
27	Lever Type	00 Pin Plunger NO Lever	27# Straight Leaf Lever
E	Terminal Type	E T Shape PCB Terminals	P Standard PCB Terminals
150	Operating Force at Pin Plunger	150gf Max.	Other
04A	Electrical Rating	0.1A 12VDC 50μA 3VDC	Other
G3	Switch Type	G304A Series Micro-Switch	
			V Solder Terminals
			L Left Side PCB Terminals
			R Right Side PCB Terminals
			Other

Unionwell

■ Posts Direction



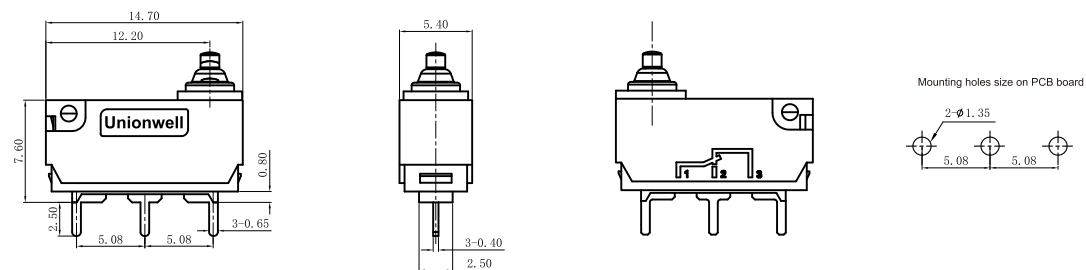
■ Circuit Configuration



■ Operating Type

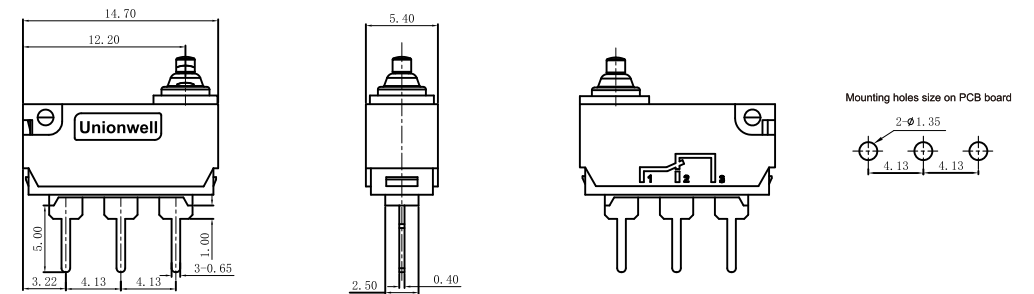
Pin Plunger	27#: Straight Leaf Lever

■ Standard PCB Terminals

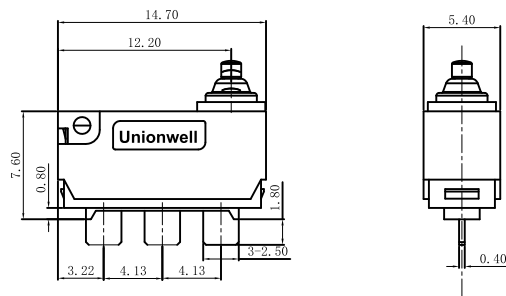


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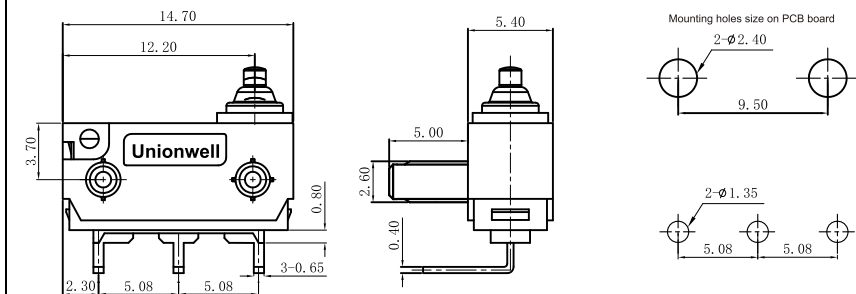
◆ T Shape PCB Terminals



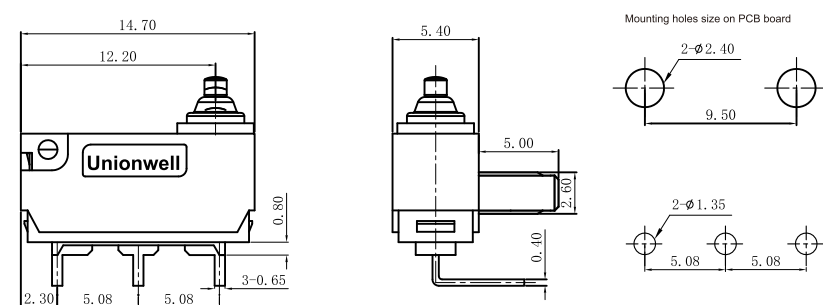
◆ Solder Terminals



◆ Right PCB Terminals



◆ Left PCB Terminals



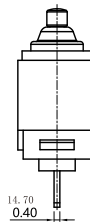
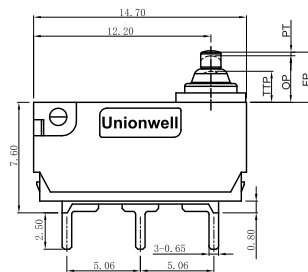
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■ Wire Leads

Left Wire	Right Wire	Bottom Wire
COM:BLACK NO:BLUE NC:GREY 13.00 14.00 Unionwell	5.10 ± 0.10 13.00 1.00 ± 1 COM:BLACK NO:BLUE NC:GREY Unionwell	13.00 5.40 1.00 ± 1 COM:BLACK NO:BLUE NC:GREY Unionwell

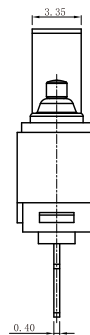
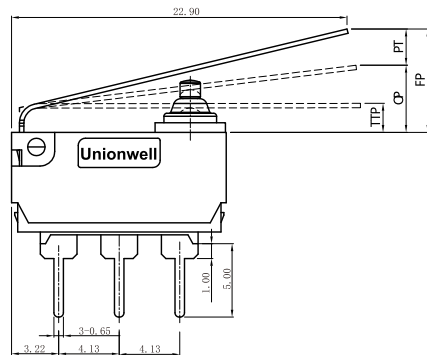
■ Dimensions and Operating Characteristics

◆ G304A-150E□49U



OF Max (gf)	TTP Max (mm)	FP Max (mm)	OP (mm)	
150	1.6	3.65	3.2±0.3mm	2.8±0.3mm

◆ G304A-150E27□49U



OF Max (gf)	TTP Max (mm)	FP Max (mm)	OP (mm)	
200	1.9	8.1	4.56±1mm	3.35±1mm

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■ G304A Lever List as Shown Below(Same as G303 Lever)

01 # Lever	02 # Lever	04 # Lever
05 # Lever	09 # Lever	10 # Lever
15 # Lever	22 # Lever	25 # Lever
28 # Lever	35 # Lever	36 # Lever
41 # Lever		