

G309 (G-Type) Sub-miniature Micro Switch



■Features

- Designed For Water And Dust Tight (IP67)
- Small Compact Size
- Long Life And High Reliability
- Variety Of Levers
- Wide Range Of Wiring Terminals
- Widely Used In Automotive Electronics, Appliance And Industrial Control Etc.
- Customized Designs
- Contact Structure

■Application

- Car
- Air-Comditioner
- Communication
- Electric Tooth Brush
- Toys

■Parameters

Operating		1~500mm/s
Operating Frequency		120次/min
Insutation Resistance		≥100MΩ (DC 500V insulating-resistance meter)
Insutation Resistance (Initiative)	with terminals type	≤100mΩ
	with wire type	≤500mΩ (300mm wire length)
Insutation Resistance (Initiative)	Between terminals	AC500V, 50/60HZ, 1min.
	Between terminals and uncharged metal parts	AC1000V, 50/60HZ, 1min.
Vibration Resistance		10~55HZ Double amplitude 1.5mm
Service Life	Electrical	300000 cycles (20 cycles/min) DC12V 0.1A DC3V 50μA
	Mechanical	300,000 cycles (30 cycles/min)
Protection Level		IEC IP67 (Except the terminal part)
Storage Termpérature		-40~+85°C 60%RHunder (With no icing or condensation)
Storage Humidity		95%RH under (+5~+35°C)

G309 G-Type Series Micro Switch Ordering Instruction

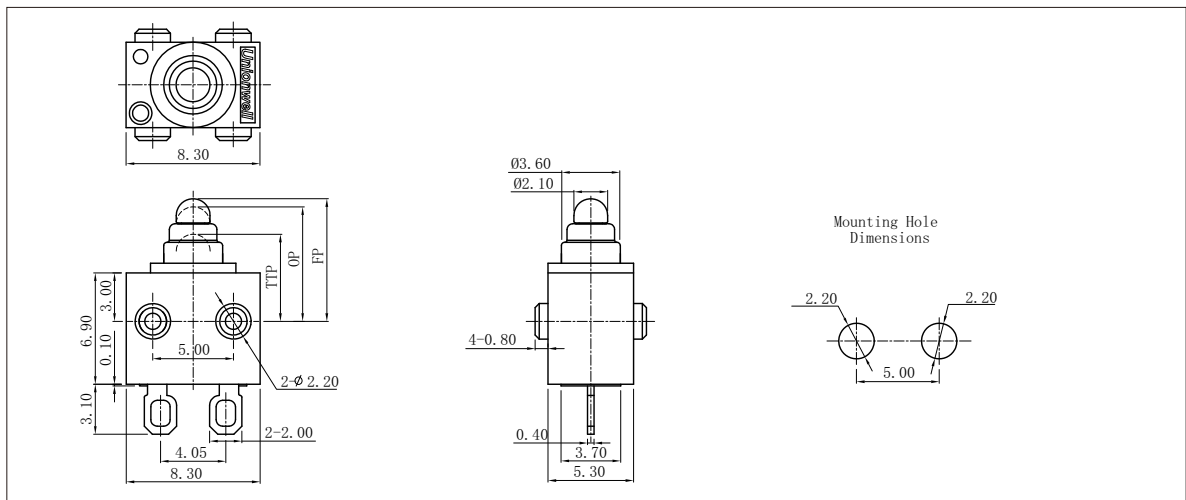
Switch Type	Operating Force as per pin/lever max	Terminal Style	Lever Type	Circuit Code	Shape and Posts	Posts Dimension	AWG Type (for Wire type only)	AWG Number (for Wire type only)	Wires Length	Special Designator
G309 Series - Micro Switch	80 80gf Max.	W Short Solder Terminals	00 No lever Pin Plunger	E Slide Type SPST-NO	39 G Type no post	F Type Standard posts: 2.60mmx5.0mm	No Molded Lead Wires	No Molded Lead Wires	300 300mm Length Standard Lead Wires 300mm	S Special Code
	150 150gf Max.	V Solder Terminals with to pins	... Other	F Slide Type SPST-NC	40 G Type Left Posts	G 402.6X1.5mm posts.	F 22#	A UL1007	280 280mm Length	B Molded Lead Wires on Left Side
	... Other	P Straight PCB Terminals	... Other	... Other	41 G Type Right Posts	H 402.6X2.0mm posts.	G 24#	F AWSS	... Other	C Molded Lead Wires on Left Side
		S Short Solder Terminals with Hole			42 G Type two Sides Posts	I 402.2X0.8mm posts.	Other	G UL3132		E Molded Lead Wires on Bottom
		Other			44 G Type Revers Left Posts	K 7.3X1.2X1.2mm posts.		... Other		... Other
					... Other	... Other				

■Circuit

■Post direction define

SPST-NO	SPST-NC	
The gasket is gray (密封圈为灰色) Terminal NO.2 Terminal NO.1 电路图 (Circuit)	The gasket is green (密封圈为绿色) Terminal NO.2 Terminal NO.1 电路图 (Circuit)	

■Basic Mounting Dimensions And Operating Characteristics



■Switch Terminal Type (Can be customized)

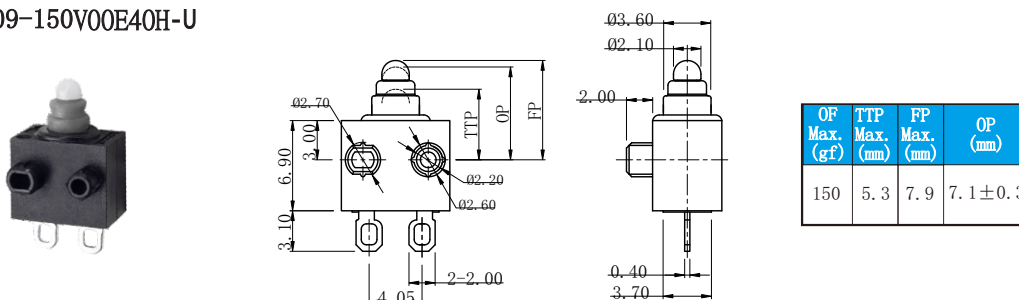
5# Straight PCB Terminals	Short Solder Terminals With Hole
PCB安装孔尺寸 PCB Terminals Mounting Hole Dimensions 3- 1.35 to 1.5 Dia 5.05	2-1.96, 4.05, 0.60, 0.40
6# Solder Terminals	
3.10, 4.05, 2-2.00, 2-0.40	

■ Posts Type

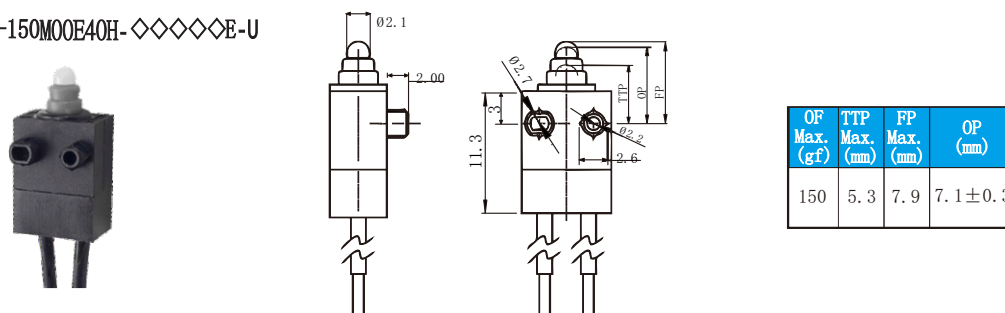
I Type: $\phi 2.20\text{mm} \times 0.8\text{mm}$ two sides posts	H Type: $\phi 2.60\text{mm} \times 2.0\text{mm}$ left posts	No posts

■ Dimensions And Operating Characteristics

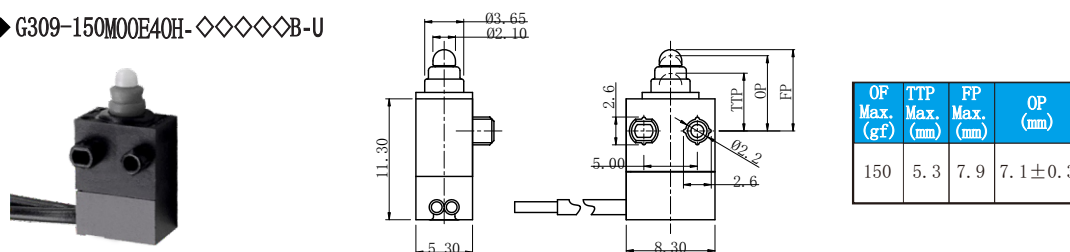
◆ G309-150V00E40H-U



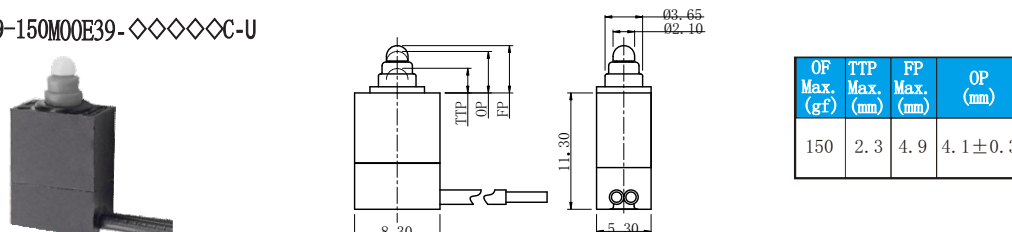
◆ G309-150M00E40H-◇◇◇◇◇E-U



◆ G309-150M00E40H-◇◇◇◇◇B-U

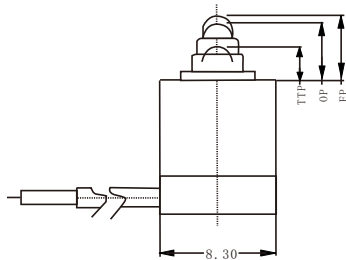
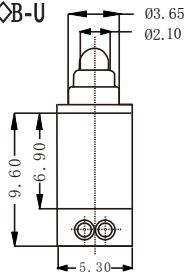


◆ G309-150M00E39-◇◇◇◇◇C-U



■ Dimensions And Operating Characteristics

◆ G309-150M00E39-◇◇◇◇◇B-U



OF Max. (gf)	TTP Max. (mm)	FP Max. (mm)	OP (mm)
150	2.3	4.9	4.1±0.3