

G305 Series

Subminiature Sealed Micro Switch



■ Features

- Designed for water and dust tight (IP67)
- Small Compact Size
- Long Life and High reliability
- Widely used in automotive electronics, appliance and industrial control

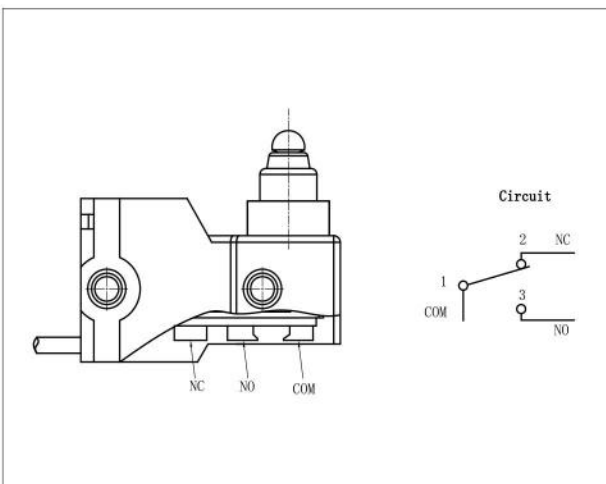
■ Application

- ◆ Car
- ◆ Air-Conditioner
- ◆ Communication
- ◆ Electric tooth brush
- ◆ Toys
- ◆ Bicycle

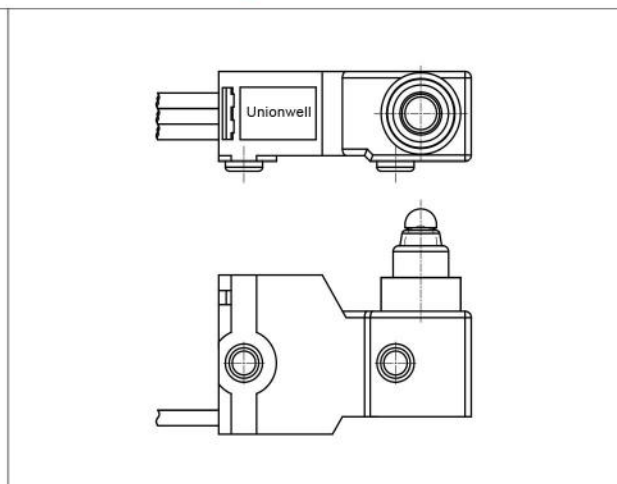
■ Parameters:

Rating	2A 24VDC 4A 12VDC μ 40T85 10E4	
Operating Frequency	Electrical	0.1A-120cycles/minute ; 4A-10 ³ cycles/minute
	Mechanical	120cycles/minute
Contact Resistance(Initiative)	100m Ω Max	
Initial Value Resistance(at 500VDC)	100M Ω Min	
Vibration durability	10 ⁵ ~55Hz, move 0.75mm (p-p)	
Dielectric Strength	500VAC (50 ⁶⁰ Hz)	
Storage Temperature	-40 ⁸⁵ °C	
Storage Humidity	85% RH Max	
Service Life	Electrical	10,000 cycles
	Mechanical	Min. 500,000 cycles

■ Circuit



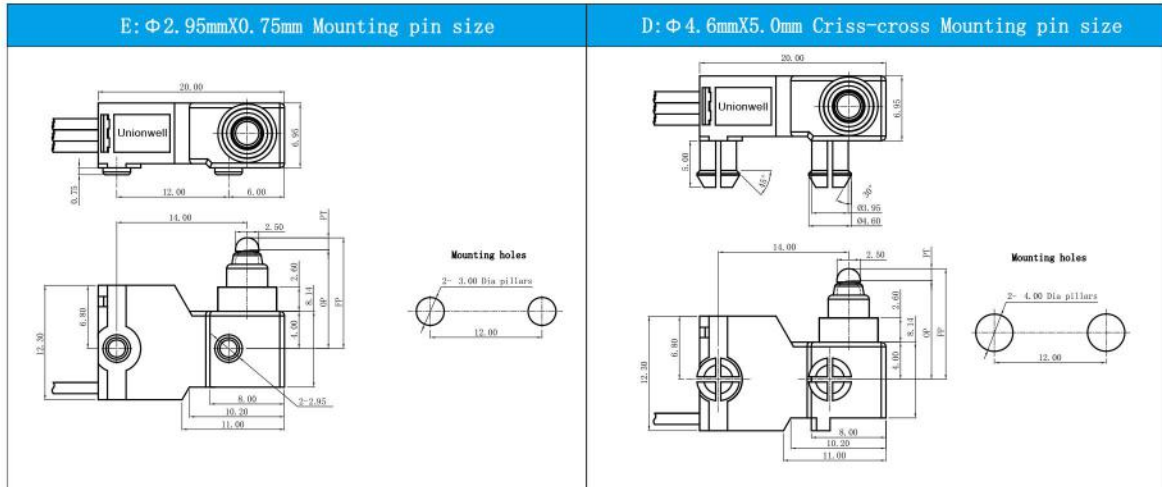
■ Switch Wire Type



G305 Series Micro Switch Ordering Instruction

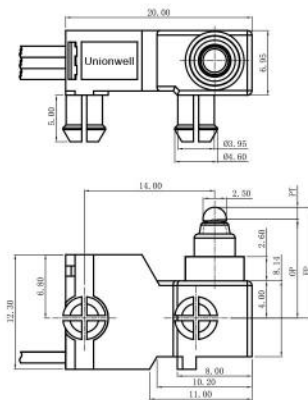
G3	05	130	F	00	A	33	D	I	F	280	TXXX
Switch Type	Electrical Rating	Operating Force pin Plunger, Max	Terminal Style	Lever Type	Circuit Code	Shape and Posts	Posts Dimension	AWG Type (for Wire type only)	AWG Number (for Wire type only)	Wires length	Custom Code
	2A 24VDC 4A 12VDC μ40T8510E4	130 130# Spring	F Molded Lead wires on right side (Plunger side)	00 No Lever Pin Plunger	A SPDT	33 Left side posts	D Cross type 4.6mm±0.0mm posts.	I 0.2mm [*]	F AVSS	300mm length standard lead	General Type
				13 13# Lever	B SPST-NC	34 right side posts	E φ2.95mm±0.075mm posts.			280 280mm length	According to TXXX customer's request
				... Other	C SPST-NO					... Other	

■ Dimensions and Operating Characteristics of Basic Shape



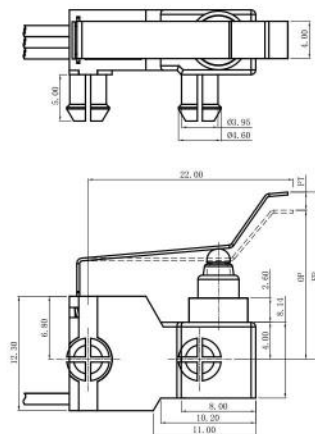
■ Switch Lever and Operating Characteristics

◆ G305-130F00A34D-IF-U



OF Max (gf)	RF Min (gf)	PT Max (mm)	OT Min (mm)	DT Max (mm)	FP Max (mm)	OP (mm)
-130	200	25	1.5	0.7	0.6	12.1

◆ G305-130F13A34D-IF-U



OF Max (gf)	RF Min (gf)	PT Max (mm)	OT Min (mm)	DT Max (mm)	FP Max (mm)	OP (mm)
-130	250	25	3.3	1.2	1.1	21