

### ■ 特点/Features

- ◆防水防尘(IP67)设计/Designed Water and Dust Tight(IP67)
- ◆体型小巧，结构紧凑/Small Compact Size
- ◆长寿命，高可靠性/Long Life and High Reliability
- ◆配备各种形式的操作柄/Variety of Levers
- ◆接线端子种类齐全/Wide range of Wiring Terminals
- ◆广泛应用于汽车控制，家电控制，工业控制领域  
Widely used in Automotive Electronics,Appliance and Industrial Control etc.
- ◆多种安装外形尺寸满足不同的安装要求/Customized Designs

### ■ 应用/Application

- ◆汽车/Car
- ◆空调/Air-Conditioner
- ◆通信/Communication
- ◆电动牙刷/Electric Tooth Brush
- ◆玩具/Toys
- ◆家用电器/Home Appliance
- ◆电机控制器/Motor Control

### ■ 特性参数/Parameters

额定值/Rating	0.1A 125/250VAC;3A 12VDC;0.1A48VDC;μ1E5	
操作频率/Operating Frequency	电器/Electrical	0.1A-120次/分,3A-10~30次/分cycles/minute
	机械/Mechanical	120次/分cycles/minute
触点电阻(初始值)/Contact Resistance(Initiative)	100mΩ Max.(不带线型/without wire type)	
绝缘电阻/Insulation Resistance(at 500VDC)	100MΩ Min.	
抗振动/Vibration Durability	10-55Hz,位移/move0.75mm(p-p)	
抗电强度/Dielectric Strength	500VAC ( 50-60Hz )	
保存温度/Storage Temperature	-40°C ~ +85°C	
保存湿度/Storage Humidity	85%RH Max	
寿命/Service life	电气/Electrical	Min.100,000次/cycles(取决于具体型号/Depend on part No.)
	机械/Mechanical	Min.500,000次/cycles

SW-1	A	01	A/01	00	B	075	无	XX
产品系列代码	接触形式	额定负载	端子类型(字母表示)/ 出线类型(数字表示)	驱动类型	外形结构	操作力/无操作柄	温度等级	特殊设计代码
SW-1系列	SPDT 单极双头	0.1A 125/250VAC 0.1A 48VDC 3A 12VDC μ1E5	A 直PCB端子(0.6mm间距) B 直PCB端子(0.9mm间距) C 弯接端子 D 短臂接端子 E 长臂接端子 L 左侧PCB端子 R 右侧PCB端子 F 左侧脚踏端子 H 2.5mm宽*4.5mm高端子 K 左侧2.5mm宽*4.5mm高端子 P 右侧2.5mm宽*4.5mm高端子 S 2.5mm宽*6.70mm高端子 T 长臂PCB端子 U 2.5mm宽*7.3mm高端子 Y 引脚端子, 2.5*0.7 YL 侧PCB端子 Z Z型端子 V V型端子 W 卡夹型左脚踏端子 J 卡夹型右脚踏端子 M 弯臂接端子 ... 特殊端子...	无操作柄 0/0 无操作柄 /Pin Plunger 0.1 脚踏操作柄 0.2 脚踏操作柄(标准型) 0.3 长臂操作柄 0.4 脚踏操作柄 0.5 反折手柄 ... 特殊手柄 Special Lever	B 薄型胶壳, 无定位柱 B1 左定位柱 (42.6*5.0mm) B2 右定位柱 (42.2*0.9mm) B3 薄型胶壳, 左定位柱 (42.6*5.0mm) B4 右定位柱 (42.2*0.9mm) B5 薄型胶壳, 右定位柱 (42.2*0.9mm) B6 薄型胶壳, 左定位柱 (42.6*5.0mm) B7 右定位柱 (42.2*0.9mm) B8 薄型胶壳, 左定位柱 (42.6*5.0mm) B9 右定位柱 (42.2*0.9mm) B... 薄型胶壳, ...	075 75gf Max 130 130gf Max ...	无 A T85 B 25T85 ...	00 常闭型 ... ...

超小型防水微动开关/Subminiature Sealed Micro Switch

安装孔位置, 操作柄类型, 接触形式, 外形介绍, 端子类型  
Mounting Hole, Lever Type, Circuit, Shape, Terminal Type

### ■ 安装孔尺寸/Mounting Hole Dimensions

定位柱间距 Dimension Between Posts	直PCB端子安装孔 Straight PCB terminals mounting hole	定位柱方向识别 Posts Identification

### ■ 操作柄类型/Lever Type

01#-短操作柄 	02#-标准直柄15.3mm 	03#-长直操作柄 	04#-圆弧形操作柄17mm 	05#-反折弯手柄 
08#-手柄 	10#-手柄 	11#-手柄 	12#-手柄 	13#-手柄 
15#-矮圆弧形柄 	18#-圆弧形操作柄14.9mm 	21#-手柄 	24#-手柄 	27#-手柄 
14#-23mm直柄 	17#-反折弯手柄 	16#-手柄 	25#-短直柄13mm长 	30#-滚轮柄 

### ■ 接触型式Circuit Configuration

SPDT 单极双头	SPST-NO 单极单头-常开	SPST-NC 单极单头-常闭

超小型防水微动开关/Subminiature Sealed Micro Switch

■ 外形尺寸和操作特性 Dimensions and Operating Characteristics

### ◆ SW-1A□A00B130□-□

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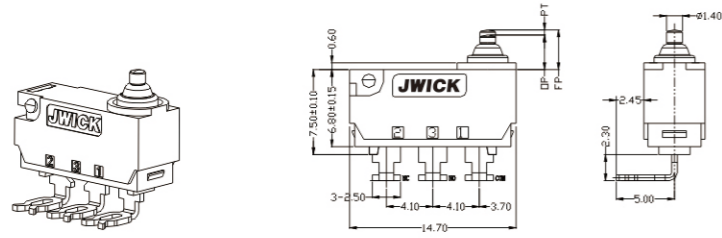
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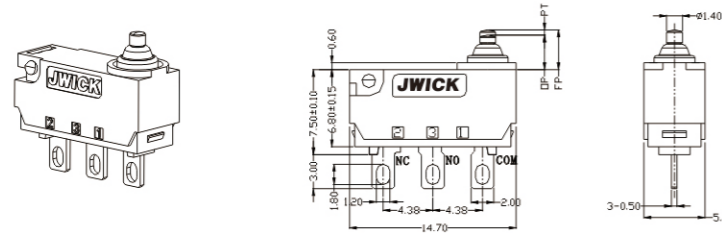
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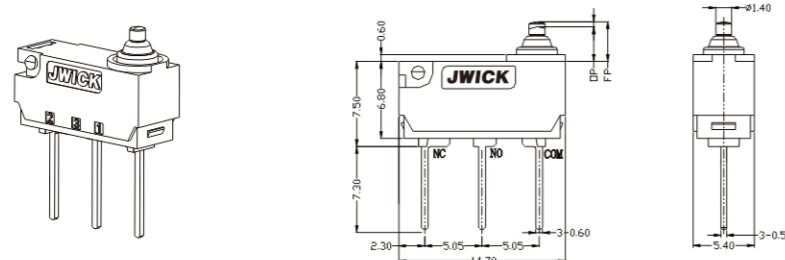
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Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
130	13	0.8	0.8	0.2	3.65	3.05±0.2

### ◆SW-1A□M00B130□-□



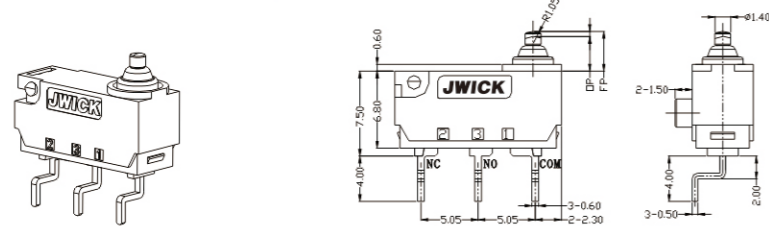
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130	13	0.8	0.8	0.2	3.65	3.05±0.2

### ◆SW-1A□T00B130□-□



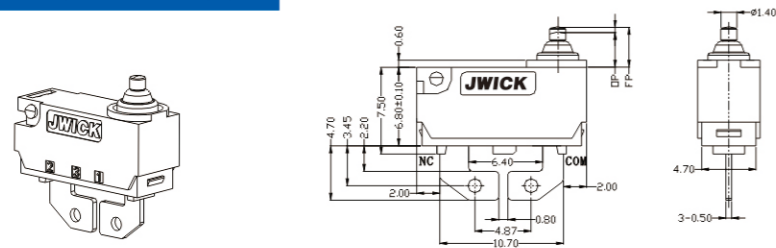
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
130	13	0.8	0.8	0.2	3.65	3.05±0.2

### ◆SW-1A□Z00B130□-□



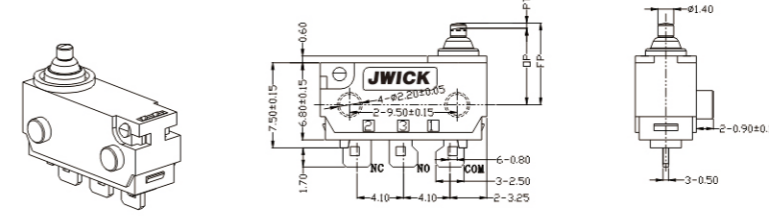
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
130	13	0.8	0.8	0.2	3.65	3.05±0.2

### ◆SW-1C□V00B130□-□



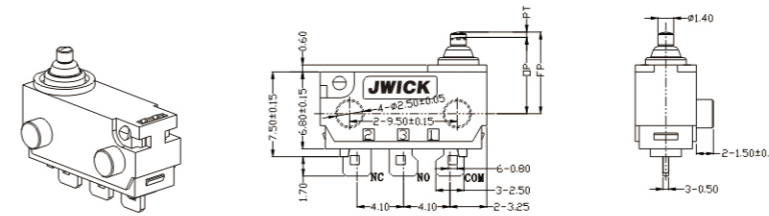
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
130	13	0.8	0.8	0.2	3.65	3.05±0.2

### ◆SW-1A□C00B2130□-□



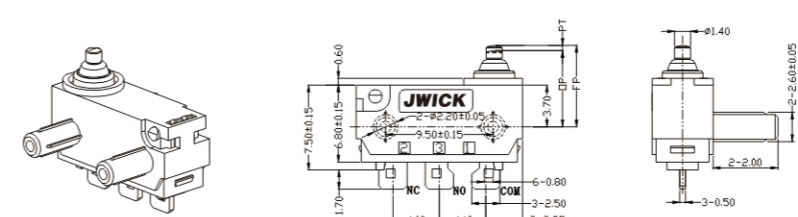
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
130	13	0.8	0.8	0.2	7.35	6.75±0.5

### ◆SW-1A□C00B3130□-□



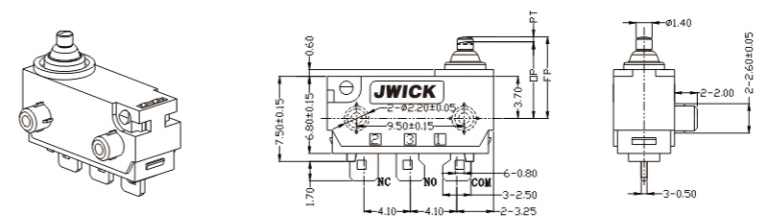
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
130	13	0.8	0.8	0.2	7.35	6.75±0.5

### ◆SW-1A□C00B1130□-□



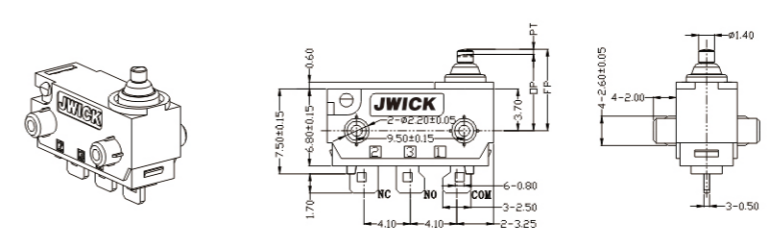
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
130	13	0.8	0.8	0.2	7.35	6.75±0.5

### ◆SW-1A□C00B11130□-□



OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
130	13	0.8	0.8	0.2	7.35	6.75±0.5

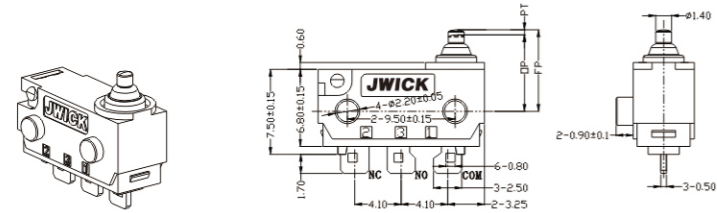
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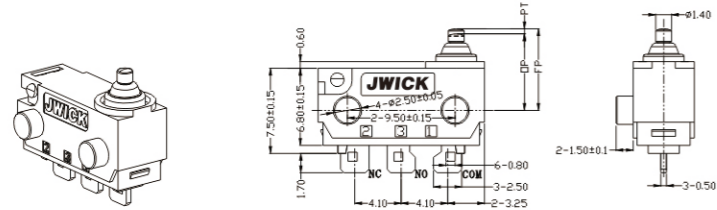
### ■外形尺寸和操作特性 Dimensions and Operating Characteristics

#### ◆SW-1A□C00B5130□-□



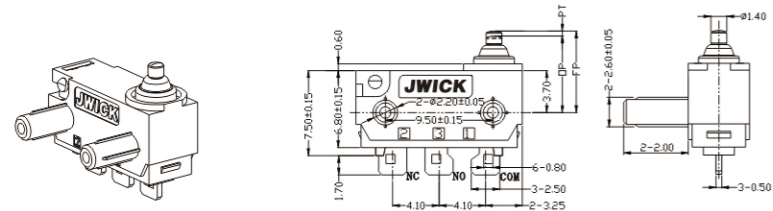
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
130	13	0.8	0.8	0.2	7.35	6.75±0.5

#### ◆SW-1A□C00B6130□-□



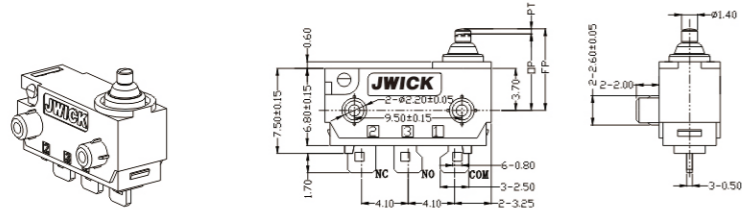
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
130	13	0.8	0.8	0.2	7.35	6.75±0.5

#### ◆SW-1A□C00B4130□-□



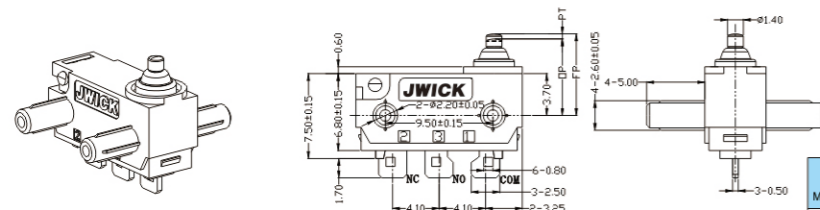
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
130	13	0.8	0.8	0.2	7.35	6.75±0.5

#### ◆SW-1A□C00B14130□-□



OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
130	13	0.8	0.8	0.2	7.35	6.75±0.5

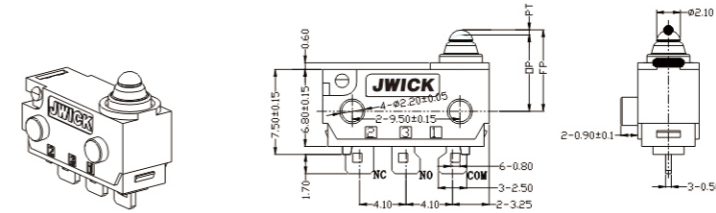
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OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
130	13	0.8	0.8	0.2	7.35	6.75±0.5

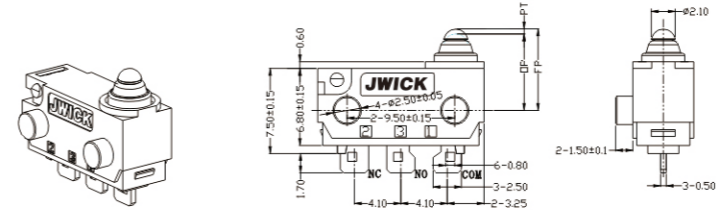
### ■外形尺寸和操作特性 Dimensions and Operating Characteristics

#### ◆SW-1A□C00F5130□-□



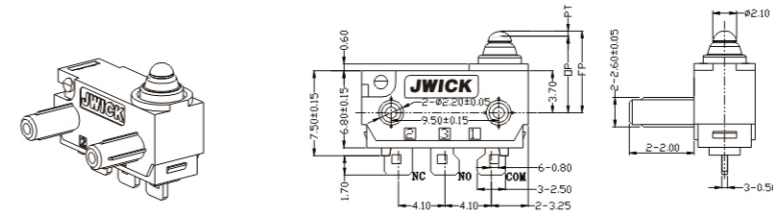
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Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
130	13	0.8	0.8	0.2	7.35	6.75±0.5

#### ◆SW-1A□C00F6130□-□



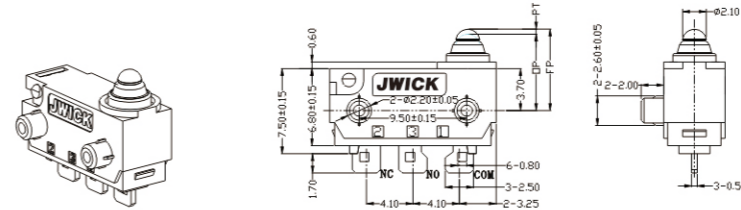
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
130	13	0.8	0.8	0.2	7.35	6.75±0.5

#### ◆SW-1A□C00F4130□-□



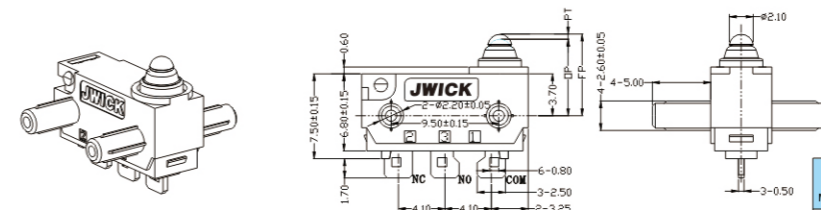
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
130	13	0.8	0.8	0.2	7.35	6.75±0.5

#### ◆SW-1A□C00F14130□-□



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Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
130	13	0.8	0.8	0.2	7.35	6.75±0.5

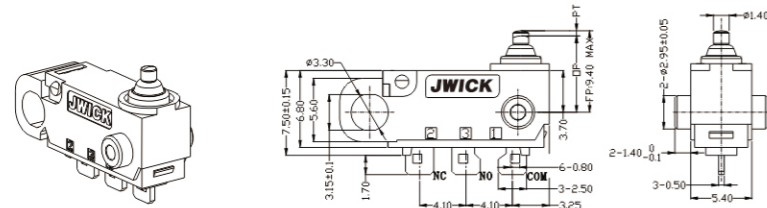
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Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
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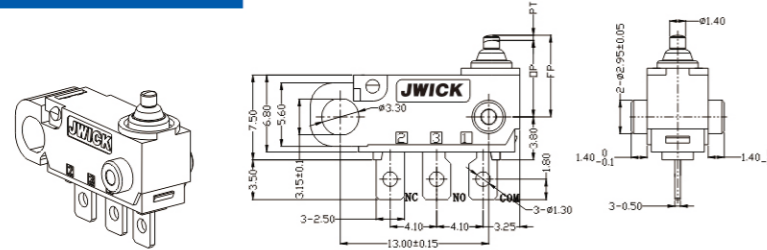
### ■外形尺寸和操作特性 Dimensions and Operating Characteristics

#### ◆SW-1A□C00M1130□-□



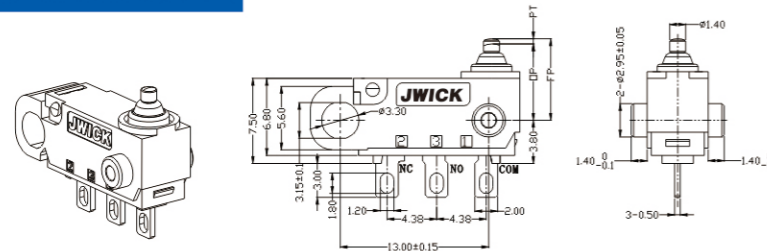
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130	13	0.8	0.8	0.2	7.35	6.75±0.5

#### ◆SW-1A□E00M1130□-□



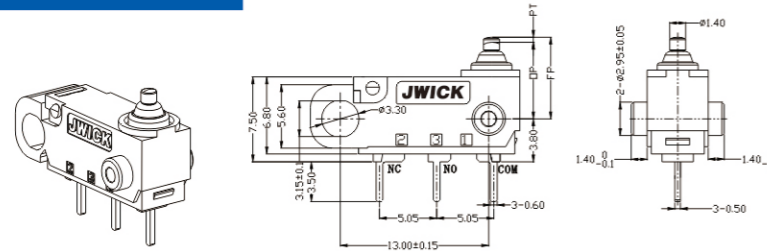
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
130	13	0.8	0.8	0.2	7.35	6.75±0.5

#### ◆SW-1A□M00M1130□-□



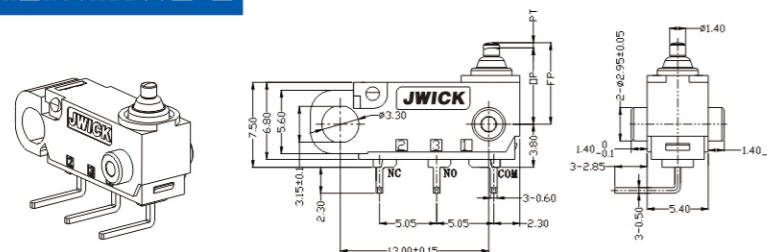
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
130	13	0.8	0.8	0.2	7.35	6.75±0.5

#### ◆SW-1A□A00M1130□-□



OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
130	13	0.8	0.8	0.2	7.35	6.75±0.5

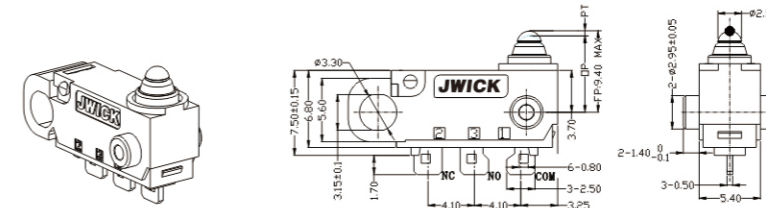
#### ◆SW-1A□R00M1130□-□



OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
130	13	0.8	0.8	0.2	7.35	6.75±0.5

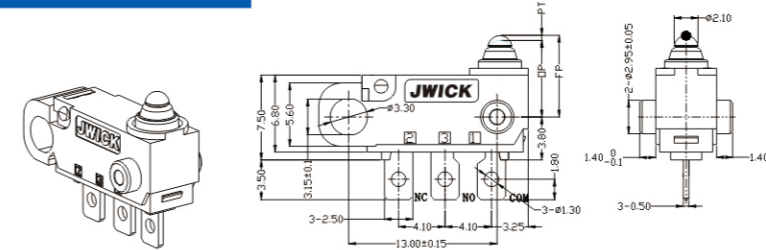
### ■外形尺寸和操作特性 Dimensions and Operating Characteristics

#### ◆SW-1A□C00M4130□-□



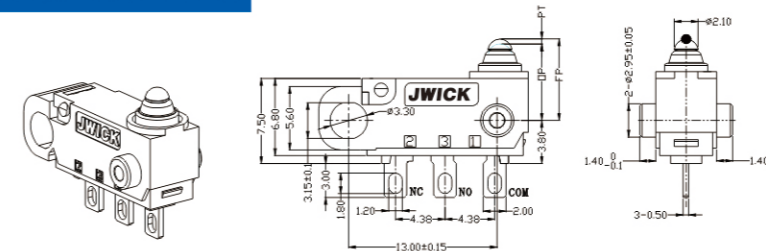
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
130	13	0.8	0.8	0.2	7.35	6.75±0.5

#### ◆SW-1A□E00M4130□-□



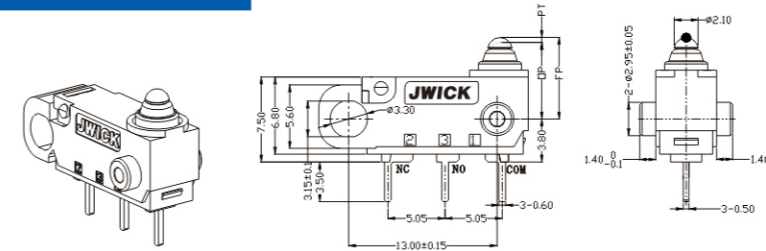
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
130	13	0.8	0.8	0.2	7.35	6.75±0.5

#### ◆SW-1A□M00M4130□-□



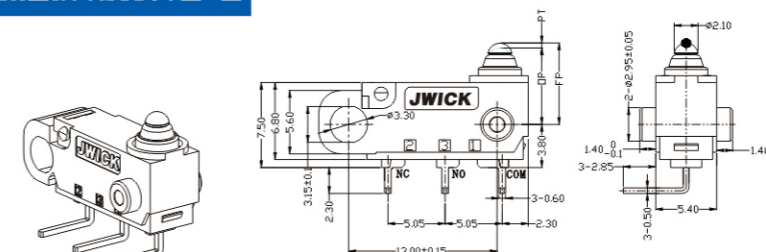
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
130	13	0.8	0.8	0.2	7.35	6.75±0.5

#### ◆SW-1A□A00M4130□-□



OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
130	13	0.8	0.8	0.2	7.35	6.75±0.5

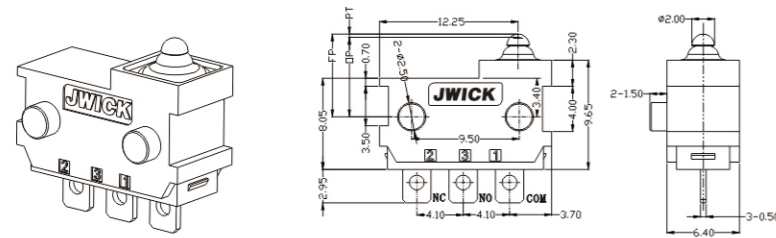
#### ◆SW-1A□R00M4130□-□



OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
130	13	0.8	0.8	0.2	7.35	6.75±0.5

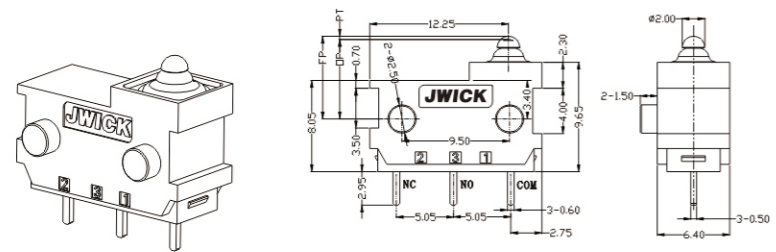
### ■外形尺寸和操作特性 Dimensions and Operating Characteristics

#### ◆SW-1A□E00H6130□-□



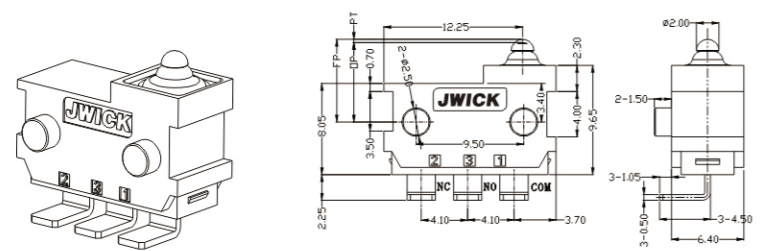
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
130	13	0.8	0.8	0.2	7.50	6.85±0.2

#### ◆SW-1A□A00H6130□-□



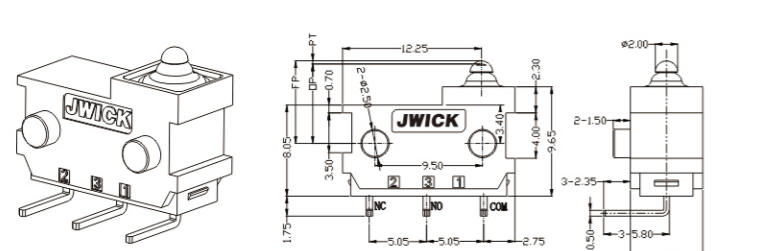
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
130	13	0.8	0.8	0.2	7.50	6.85±0.2

#### ◆SW-1A□P00H6130□-□



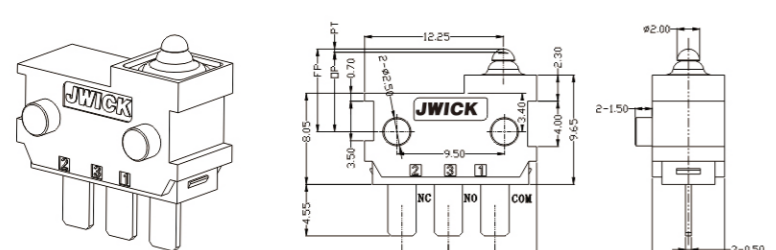
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
130	13	0.8	0.8	0.2	7.50	6.85±0.2

#### ◆SW-1A□R00H6130□-□



OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
130	13	0.8	0.8	0.2	7.50	6.85±0.2

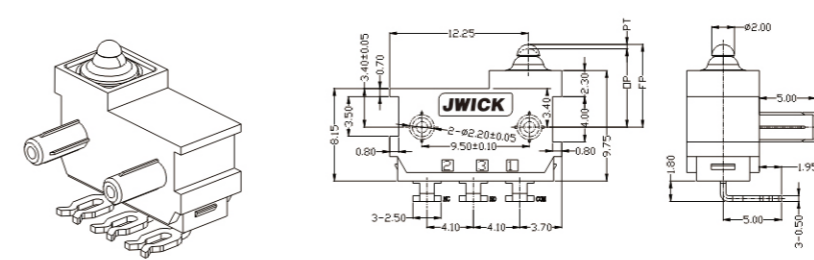
#### ◆SW-1A□H00H6130□-□



OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
130	13	0.8	0.8	0.2	7.50	6.85±0.2

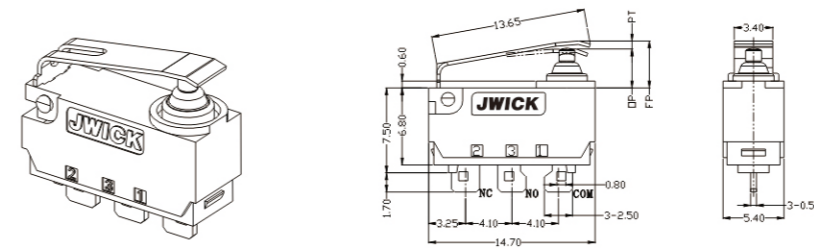
### ■外形尺寸和操作特性 Dimensions and Operating Characteristics

#### ◆SW-1A□W00H1130□-□



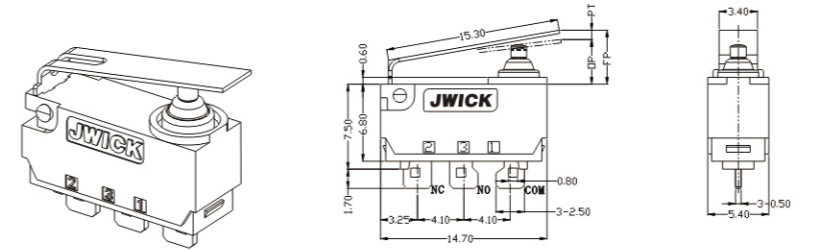
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
130	13	0.8	0.8	0.2	7.50	6.85±0.2

#### ◆SW-1A□C01B130□-□



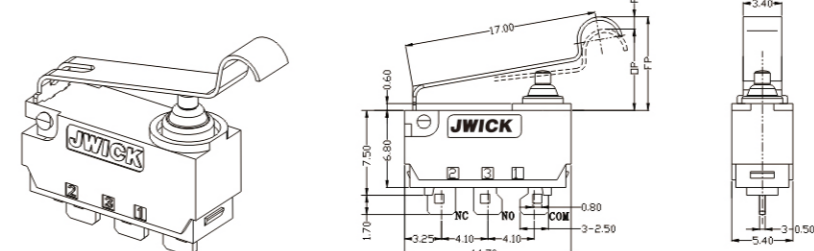
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
220	30	2.0	0.8	0.5	9.40	3.40±0.2

#### ◆SW-1A□C02B130□-□



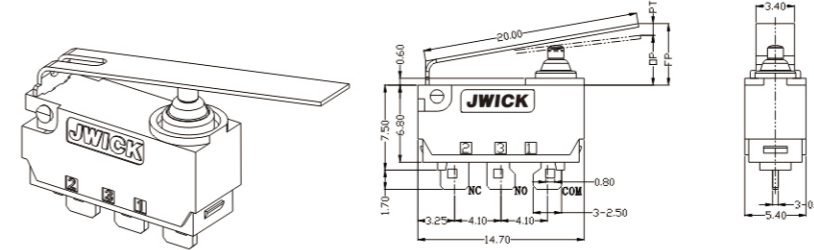
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
195	25	3.5	1.35	0.6	6.8	3.70±0.6

#### ◆SW-1A□C04B130□-□



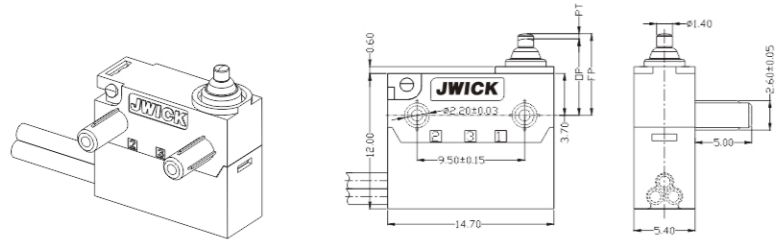
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
180	20	3.8	1.5	0.7	9.8	7.0±0.7

#### ◆SW-1A□C□B130□-□



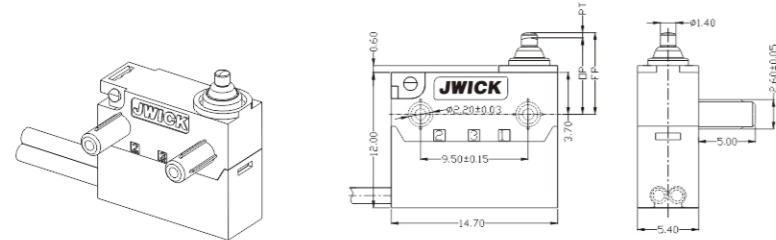
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
200	25	4.5	1.5	1.0	7.95	3.45±1.2

◆SW-1A□□00B4130□-□



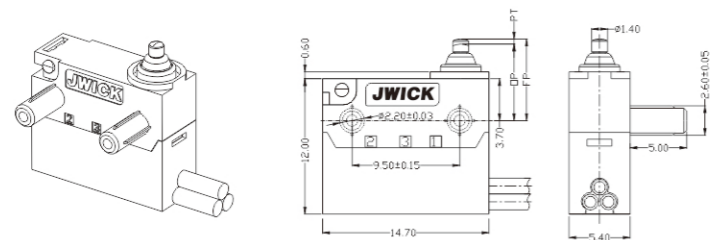
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
130	13	0.8	0.8	0.2	7.35	6.75±0.2

◆SW-1B□□00B4130□-□



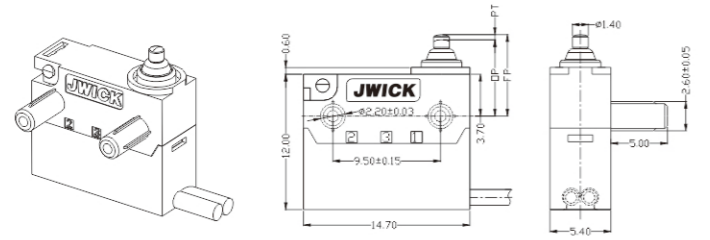
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
130	13	0.8	0.8	0.2	7.35	6.75±0.2

◆SW-1A□□00B4130□-□



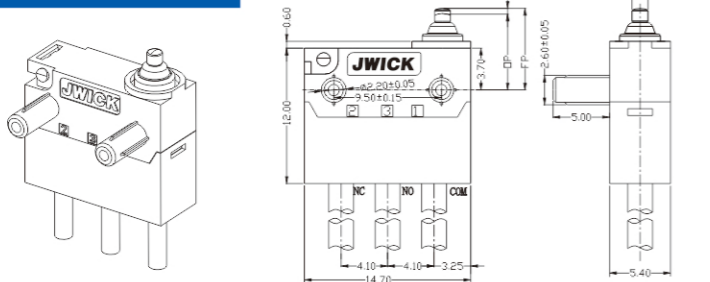
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
130	13	0.8	0.8	0.2	7.35	6.75±0.2

◆SW-1B□□00B4130□-□



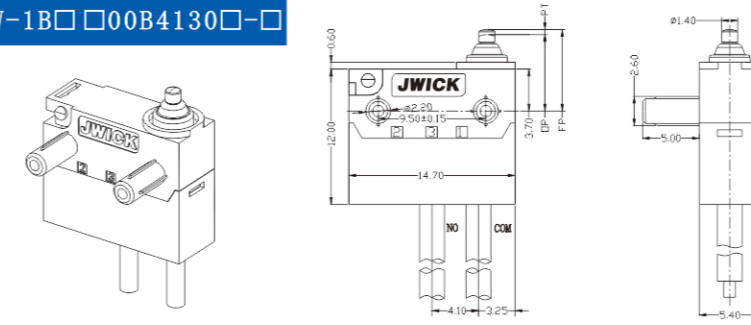
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
130	13	0.8	0.8	0.2	7.35	6.75±0.2

◆SW-1A□□00B4130□-□



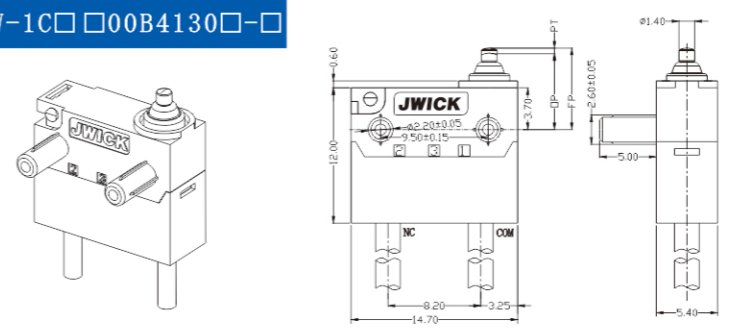
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
130	13	0.8	0.8	0.2	7.35	6.75±0.2

◆SW-1B□□00B4130□-□



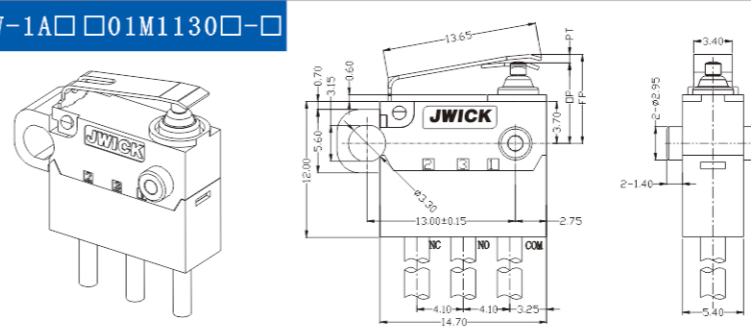
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
130	13	0.8	0.8	0.2	7.35	6.75±0.2

◆SW-1C□□00B4130□-□



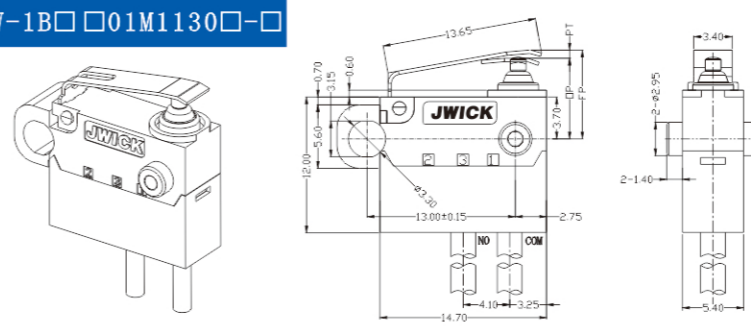
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
130	13	0.8	0.8	0.2	7.35	6.75±0.2

◆SW-1A□□01M1130□-□



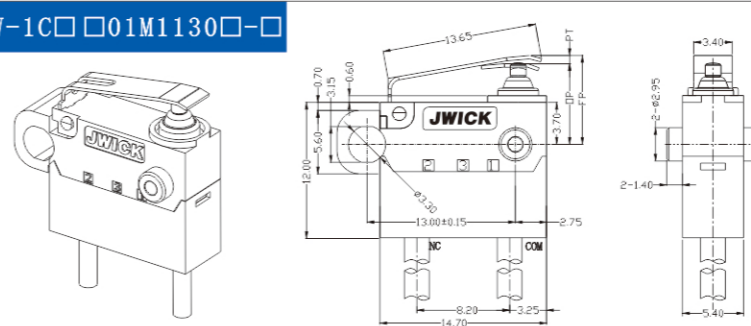
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
220	30	2.0	0.8	0.5	9.4	7.1±0.5

◆SW-1B□□01M1130□-□



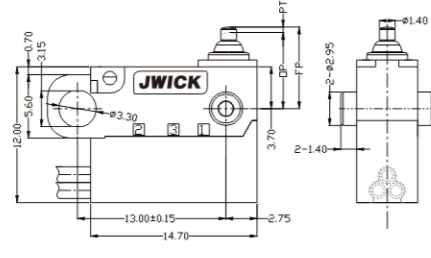
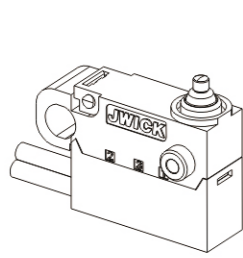
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
220	30	2.0	0.8	0.5	9.4	7.1±0.5

◆SW-1C□□01M1130□-□



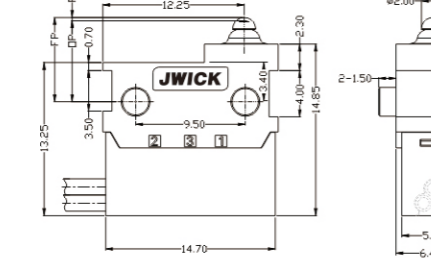
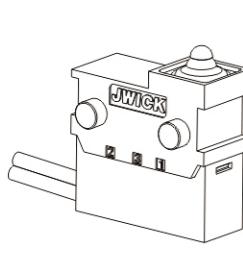
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
220	30	2.0	0.8	0.5	9.4	7.1±0.5

◆SW-1A□□00M130□□



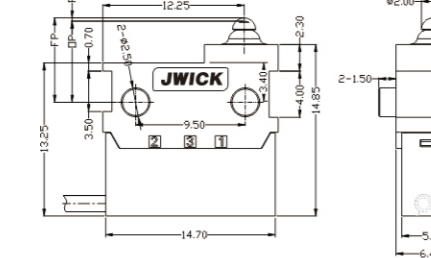
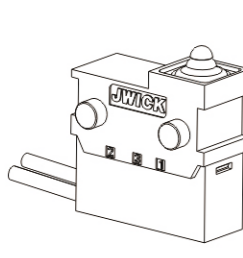
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
130	13	0.8	0.8	0.2	7.35	6.75±0.2

◆SW-1A□□00H6130□□



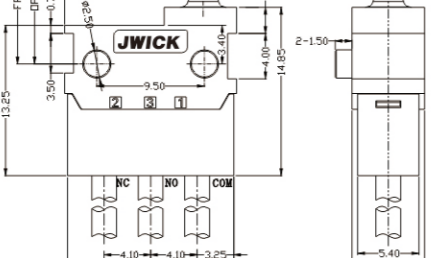
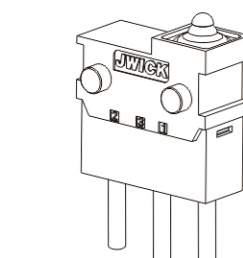
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
130	13	0.8	0.8	0.2	7.5	6.85±0.2

◆SW-1B□□00H6130□□



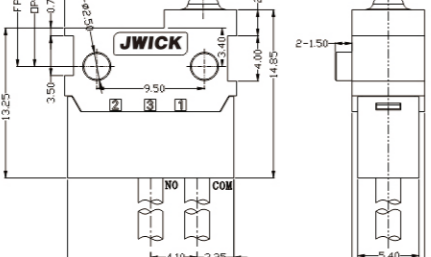
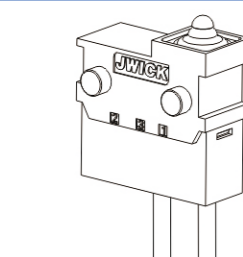
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
130	13	0.8	0.8	0.2	7.5	6.85±0.2

◆SW-1A□□00H6130□□



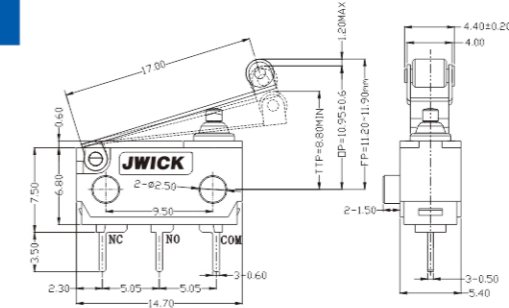
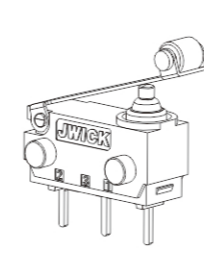
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
130	13	0.8	0.8	0.2	7.5	6.85±0.2

◆SW-1B□□00H6130□□



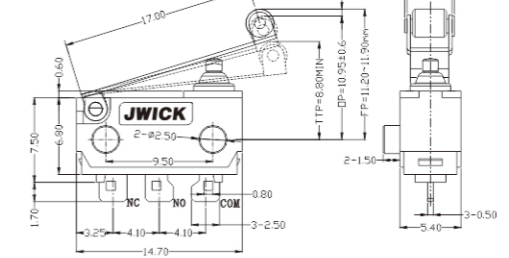
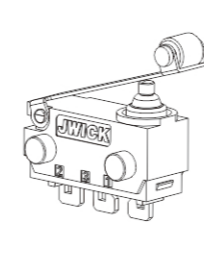
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
130	13	0.8	0.8	0.2	7.5	6.85±0.2

◆SW-1A□A50B130□□



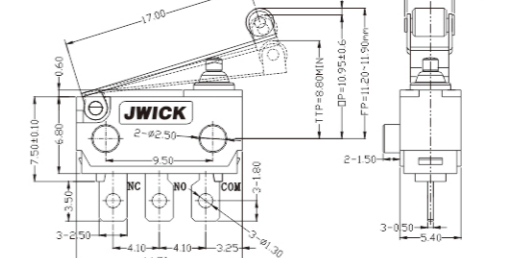
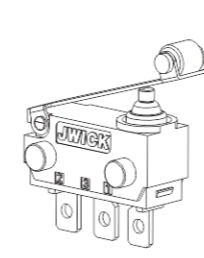
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
70	10	1.2	1.55	0.7	11.9	10.95±0.6

◆SW-1A□C50B130□□



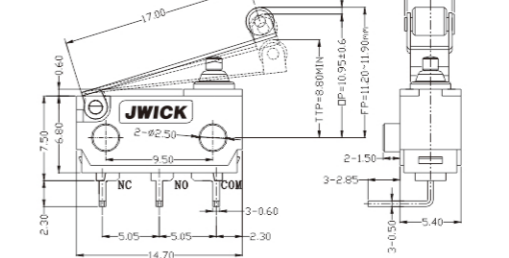
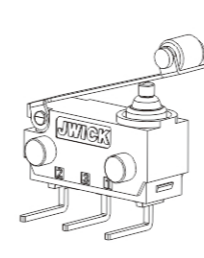
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
70	10	1.2	1.55	0.7	11.9	10.95±0.6

◆SW-1A□□01M130□□



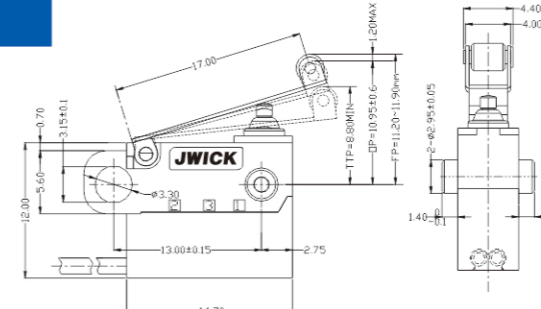
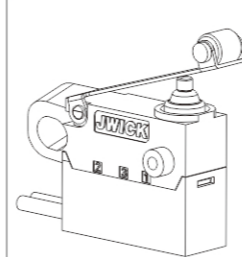
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
70	10	1.2	1.55	0.7	11.9	10.95±0.6

◆SW-1A□E00□130□□



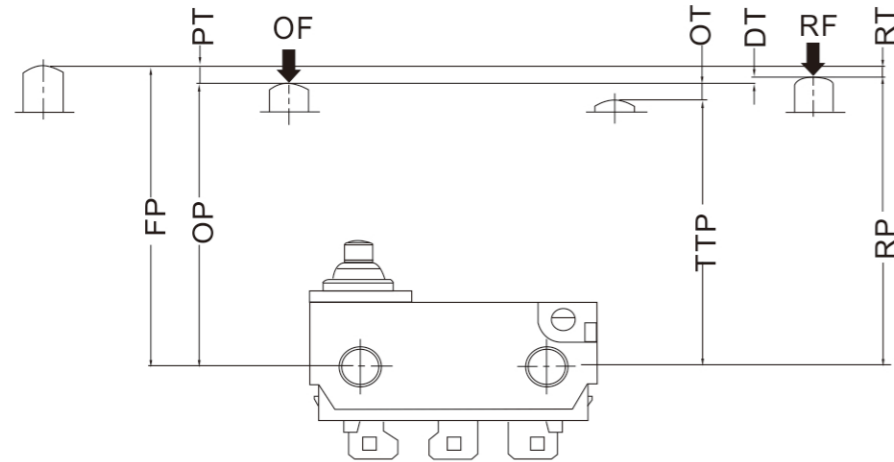
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
70	10	1.2	1.55	0.7	11.9	10.95±0.6

◆SW-1A□□00M130□□



OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(gf)	Max(mm)	Max(mm)	(mm)
70	10	1.2	1.55	0.7	11.9	10.95±0.6

### ■开关动作特性图解/Operating Characteristic Diagrammatize



代号 Code	参数名称 Name	含义 Meanings
PT	动作行程(预行程) Pre travel	驱动件从自由位置到动作位置间的位移 The displacements of actuator from free position to operating position.
OT	超行程 Over travel	驱动件从动作位置到全行程位置间的位移 The displacements of actuator from operating position to total travel position.
DT(or MD)	差动行程 Movement differential travel	驱动件从动作位置到释放位置或释放位置到动作位置间的位移 The displacements of actuator from operating position to release position
RT	释放行程 Release travel	驱动件从释放位置到自由位置间的位移 The displacements of actuator from release position to free position.
OF	动作力 Operating force	驱动件从自由位置到动作位置所必须的最大操作力 The max. force of displacements of actuator from free position to operating position.
TF	全行程力 Total travel force	驱动件在全行程位置所承受的最小操作力 The smallest force of displacements of actuator on total travel position.
RF	释放力 Release force	驱动件自正向动作位置返回到释放位置,操作减小到的数值 The force when the actuator moved back to release position from obverse operating position.
TTP	全行程位置 Total travel position	驱动件被止动时所处的位置 The position where the actuator be stopped.
OP	动作位置 Operating position	驱动件在瞬动机构发生正向动作瞬间所处的位置 The position where the actuator moved obverse on snap-action parts.
RP	释放位置 Release position	驱动件在瞬动机构发生反向动作瞬间所处的位置 The position where the actuator moved reversely on snap-action parts.
FP	自由位置 Free position	驱动件在不承受操作力以及力不足以引起位移时所处的位置 The position where the actuator lead the displacements when its out of force is not enough.

### ■特点/Features

- ◆结构紧凑, 具有微小触点间隙, 快速动作、高灵敏度和微小动作行程的特点/  
Tight Configuration, Small Contact Gap, Snap Action, High Sensitivity and Small Operating Travel.
- ◆长寿命, 高可靠性/Long Life and High Reliability.
- ◆配备各种形式的操作柄/Variety of Levers.
- ◆接线端子种类齐全/Wide range of Wiring Terminals.
- ◆广泛应用于汽车电子, 家电控制, 工业控制领域  
Widely used in Automotive Electronics, Appliance and Industrial Control etc.
- ◆多种安装外形尺寸满足不同的安装要求/Customized Designs.

### ■应用/Application

- ◆家用电器/Home Appliance.
- ◆电子设备/Electronic Equipments.
- ◆自动化设备/Automatic Equipments.
- ◆通讯设备/Communication Equipments.
- ◆汽车电子/Automotive Electronics.
- ◆仪器仪表/Apparatus and Instruments.
- ◆电动工具/POWER TOOLS.

### ■特性参数/Parameters

工作速度/Operating Speed	0.1mm ~ 1m/s(与驱动方式有关)Related with actuator forms	
操作频率/Operating Frequency	电器/Electrical	15次/分cycles/minute
	机械/Mechanical	60次/分cycles/minute
触点电阻(初始值)/Contact Resistance(Initiative)	100mΩ Max.(不带线型/without wire type)	
绝缘电阻/Insulation Resistance	100MΩ Min.	
耐电压 Voltage Resistance	不相接端子之间/Between each terminals of the same polarity	AC1000V, 50-60Hz, 1min
	带电金属零件与外壳之间, 接线端与易触及的不带电金属件之间/Between current-carrying terminal and non-current-carrying metal parts	AC1500V, 50-60Hz, 1min
抗振动/Vibration Resistance	10-55Hz, 1.5mm 两倍振幅 Double amplitude	
抗冲击/Shock Resistance	破坏Destruction: 动作力/OF: > 1.0N: 1000m/s <sup>2</sup> (约/approx. 100G)max; 动作力/OF: ≤ 1.0N: 400m/s <sup>2</sup> (约/approx. 40G)max;	
	故障Destruction: 动作力/OF: > 1.0N: 200m/s <sup>2</sup> (约/approx. 20G)max; 动作力/OF: ≤ 1.0N: 100m/s <sup>2</sup> (约/approx. 10G)max;	
保存温度/Storage Temperature	-40°C ~ +85°C	
保存湿度/Storage Humidity	85%RH Max	
寿命/Service life	电气/Electrical	≥ 50,000次/cycles或/or 100,000次/cycles(取决于具体型号/Depend on part No.)
	机械/Mechanical	≥ 10,000,000次/cycles或/or 1,000,000次/cycles或/or 50,000次/cycles(取决于具体型号/Depend on part No.)