

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

- ◆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;μE5	
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	电器/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-9	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 / 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-9系列	SPDT 单极双头	0.1A 125/250VAC 0.1A 48VDC 3A 12VDC H1E5	01 0.1A 125/250VAC 0.1A 48VDC 3A 12VDC H1E5	01 不带操作柄 直式操作柄 / Pin Plunger	A 型双壳, 无定位柱 B 型双壳, 有定位柱	075 75gf Max 130 130gf Max	无 A 185 B 25185	特别设计代码, 代表任何不同于标准产品的特别设计的产产品特性, 具体见产产品的详细资料; 00 常型
	SPST-NO 单极单头-常开	0.2 10mA 12VDC μ5E5	02 10mA 12VDC μ5E5	02 直式操作柄	A1 型双壳, 左定位柱 (42.6*5.0mm) B1 型双壳, 右定位柱 (42.6*5.0mm)			
	SPST-NC 单极单头-常闭		03 10mA 12VDC μ5E5	03 直式操作柄	A2 型双壳, 左定位柱 (42.6*5.0mm) B2 型双壳, 右定位柱 (42.6*5.0mm)			
			04 10mA 12VDC μ5E5	04 直式操作柄	A3 型双壳, 左定位柱 (42.6*5.0mm) B3 型双壳, 右定位柱 (42.6*5.0mm)			
			05 10mA 12VDC μ5E5	05 直式操作柄	A4 型双壳, 左定位柱 (42.6*5.0mm) B4 型双壳, 右定位柱 (42.6*5.0mm)			
			06 10mA 12VDC μ5E5	06 直式操作柄	A5 型双壳, 左定位柱 (42.6*5.0mm) B5 型双壳, 右定位柱 (42.6*5.0mm)			
			07 10mA 12VDC μ5E5	07 直式操作柄	A6 型双壳, 左定位柱 (42.6*5.0mm) B6 型双壳, 右定位柱 (42.6*5.0mm)			
			08 10mA 12VDC μ5E5	08 直式操作柄	A7 型双壳, 左定位柱 (42.6*5.0mm) B7 型双壳, 右定位柱 (42.6*5.0mm)			
			09 10mA 12VDC μ5E5	09 直式操作柄	A8 型双壳, 左定位柱 (42.6*5.0mm) B8 型双壳, 右定位柱 (42.6*5.0mm)			
			10 10mA 12VDC μ5E5	10 直式操作柄	A9 型双壳, 左定位柱 (42.6*5.0mm) B9 型双壳, 右定位柱 (42.6*5.0mm)			
			11 10mA 12VDC μ5E5	11 直式操作柄	A10 型双壳, 左定位柱 (42.6*5.0mm) B10 型双壳, 右定位柱 (42.6*5.0mm)			
			12 10mA 12VDC μ5E5	12 直式操作柄	A11 型双壳, 左定位柱 (42.6*5.0mm) B11 型双壳, 右定位柱 (42.6*5.0mm)			
			13 10mA 12VDC μ5E5	13 直式操作柄	A12 型双壳, 左定位柱 (42.6*5.0mm) B12 型双壳, 右定位柱 (42.6*5.0mm)			
			14 10mA 12VDC μ5E5	14 直式操作柄	A... 型双壳, ... B... 型双壳, ...			

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

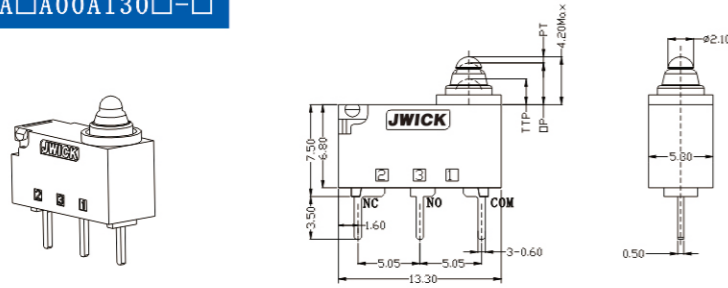
■ 接触型式Circuit Configuration

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

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

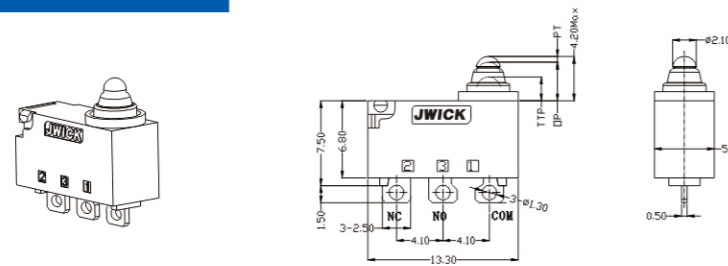
■外形尺寸和操作特性 Dimensions and Operating Characteristics

◆SW-9A□A00A130□-□



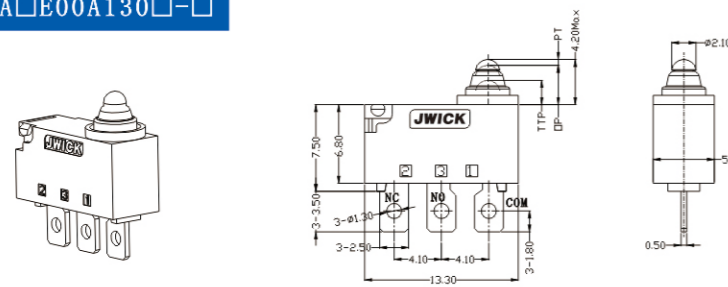
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(mm)	Max(mm)	Max(mm)	(mm)
130	30	1.30	1.40	0.25	4.20	3.40±0.3

◆SW-9A□D00A130□-□



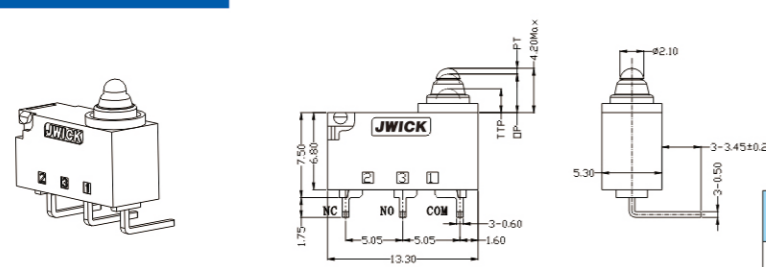
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(mm)	Max(mm)	Max(mm)	(mm)
130	30	1.30	1.40	0.25	4.20	3.40±0.3

◆SW-9A□E00A130□-□



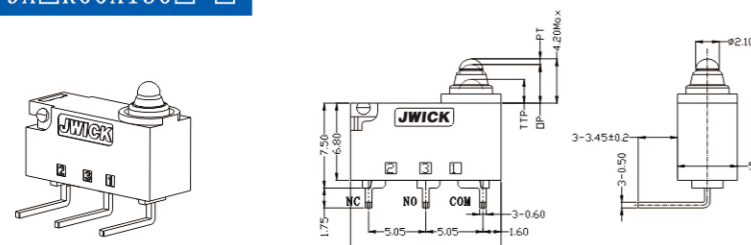
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(mm)	Max(mm)	Max(mm)	(mm)
130	30	1.30	1.40	0.25	4.20	3.40±0.3

◆SW-9A□L00A130□-□



OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(mm)	Max(mm)	Max(mm)	(mm)
130	30	1.30	1.40	0.25	4.20	3.40±0.3

◆SW-9A□R00A130□-□

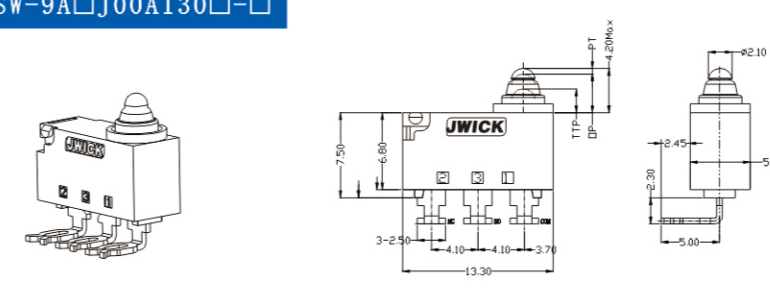


OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(mm)	Max(mm)	Max(mm)	(mm)
130	30	1.30	1.40	0.25	4.20	3.40±0.3

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

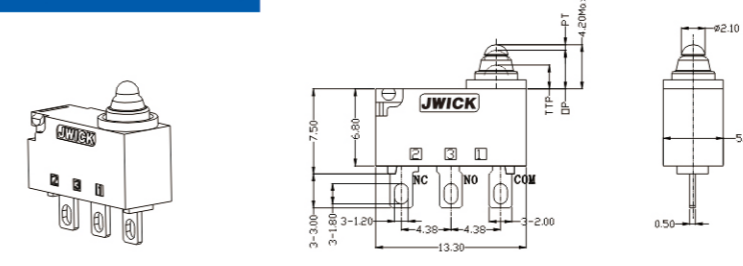
■外形尺寸和操作特性 Dimensions and Operating Characteristics

◆SW-9A□J00A130□-□



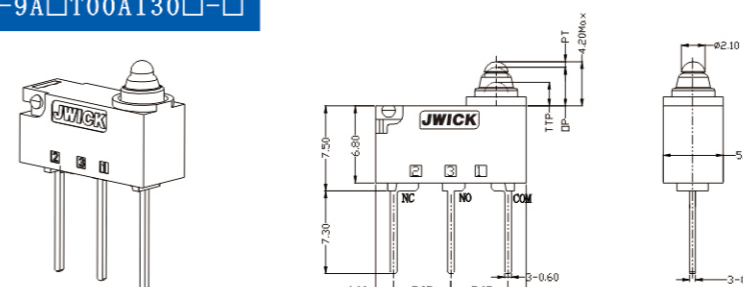
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(mm)	Max(mm)	Max(mm)	(mm)
130	30	1.30	1.40	0.25	4.20	3.40±0.3

◆SW-9A□M00A130□-□



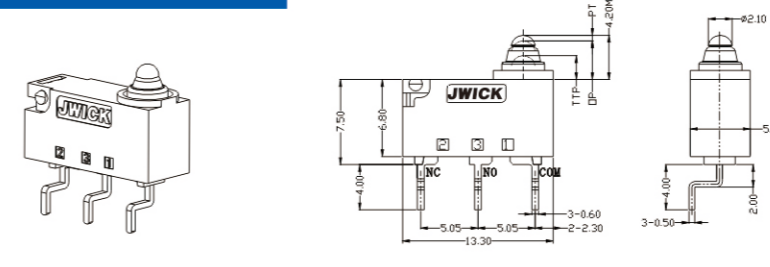
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(mm)	Max(mm)	Max(mm)	(mm)
130	30	1.30	1.40	0.25	4.20	3.40±0.3

◆SW-9A□T00A130□-□



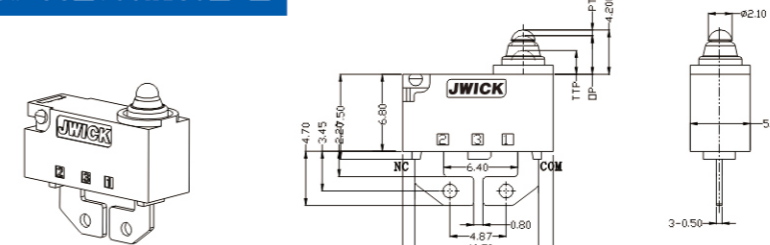
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(mm)	Max(mm)	Max(mm)	(mm)
130	30	1.30	1.40	0.25	4.20	3.40±0.3

◆SW-9A□Z00A130□-□



OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(mm)	Max(mm)	Max(mm)	(mm)
130	30	1.30	1.40	0.25	4.20	3.40±0.3

◆SW-9C□V00A130□-□

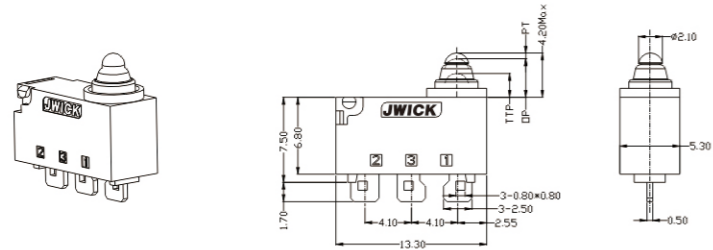


OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(mm)	Max(mm)	Max(mm)	(mm)
130	30	1.30	1.40	0.25	4.20	3.40±0.3

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

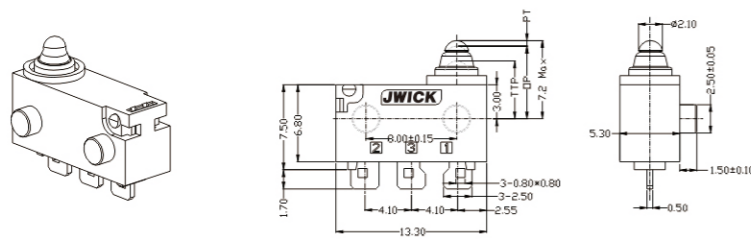
■外形尺寸和操作特性 Dimensions and Operating Characteristics

◆SW-9A□C00A130□-□



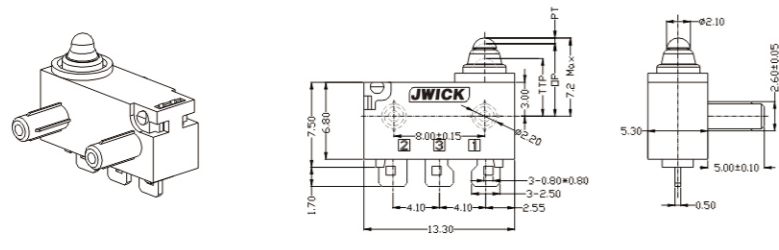
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(mm)	Max(mm)	Max(mm)	(mm)
130	30	1.30	1.40	0.25	4.20	3.40±0.3

◆SW-9A□C00A3130□-□



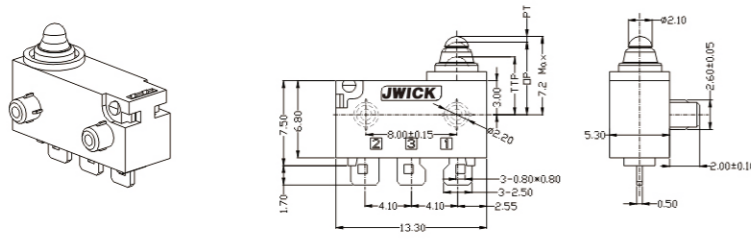
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(mm)	Max(mm)	Max(mm)	(mm)
130	30	1.30	1.40	0.25	7.20	6.40±0.3

◆SW-9A□C00A1130□-□



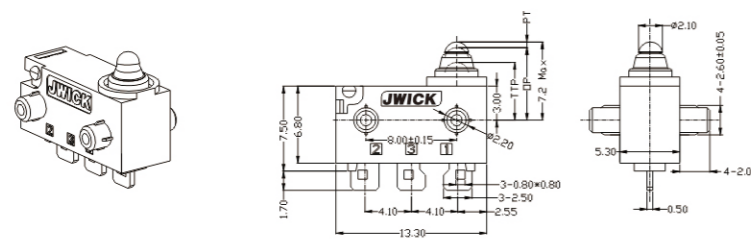
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(mm)	Max(mm)	Max(mm)	(mm)
130	30	1.30	1.40	0.25	7.20	6.40±0.3

◆SW-9A□C00A10130□-□



OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(mm)	Max(mm)	Max(mm)	(mm)
130	30	1.30	1.40	0.25	7.20	6.40±0.3

◆SW-9A□C00A12130□-□

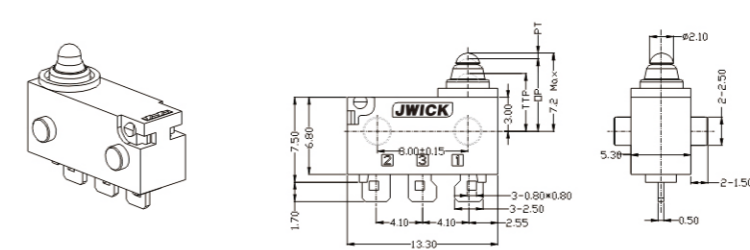


OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(mm)	Max(mm)	Max(mm)	(mm)
130	30	1.30	1.40	0.25	7.20	6.40±0.3

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

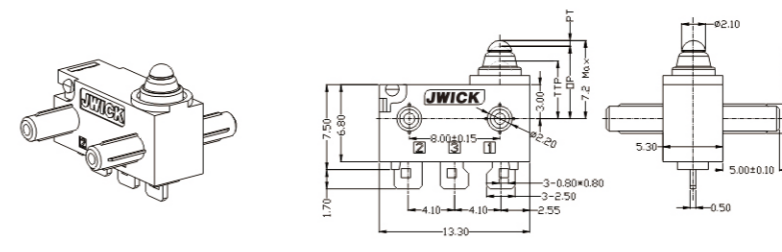
■外形尺寸和操作特性 Dimensions and Operating Characteristics

◆SW-9A□C00A9130□-□



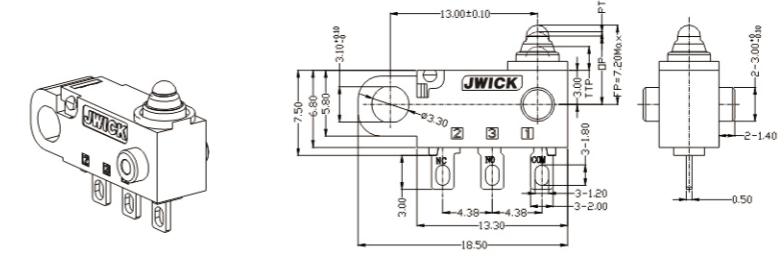
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(mm)	Max(mm)	Max(mm)	(mm)
130	30	1.30	1.40	0.25	7.20	6.40±0.3

◆SW-9A□C00A7130□-□



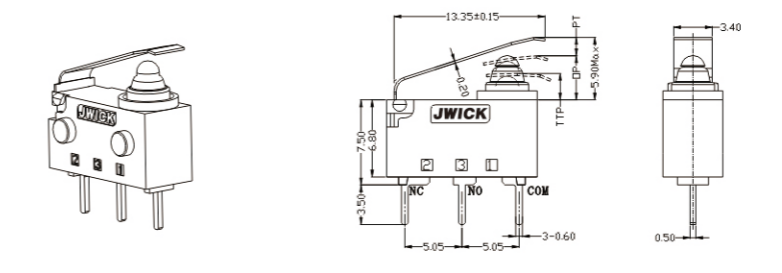
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(mm)	Max(mm)	Max(mm)	(mm)
130	30	1.30	1.40	0.25	7.20	6.40±0.3

◆SW-9A□M00M2130□-□



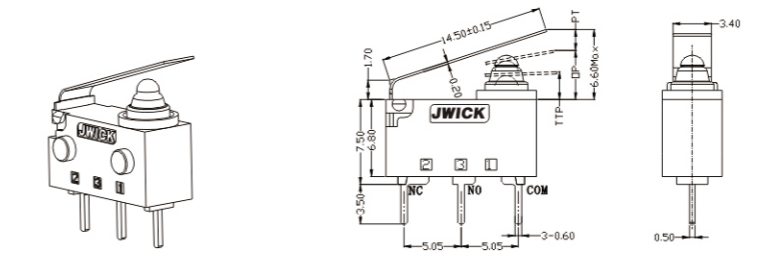
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(mm)	Max(mm)	Max(mm)	(mm)
130	30	1.30	1.40	0.25	7.20	6.40±0.3

◆SW-9A□A01A130□-□



OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(mm)	Max(mm)	Max(mm)	(mm)
130	30	1.30	1.40	0.25	7.20	6.40±0.3

◆SW-9A□A02A130□-□

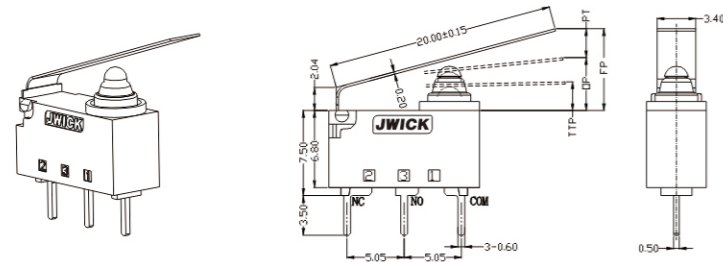


OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(mm)	Max(mm)	Max(mm)	(mm)
130	30	2.75	1.40	0.25	6.60	4.35±0.5

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

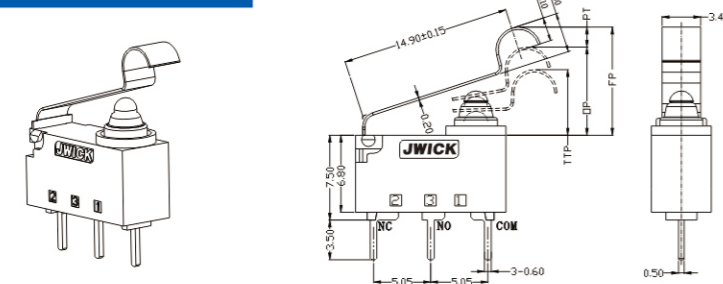
■外形尺寸和操作特性 Dimensions and Operating Characteristics

◆SW-9A□A04A130□-□



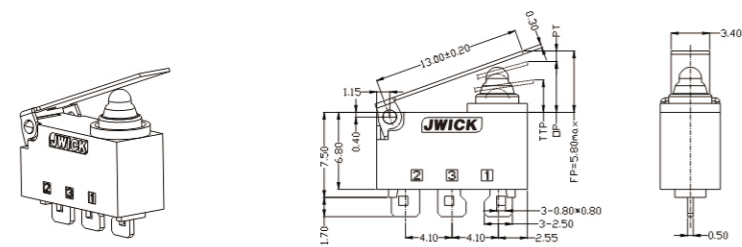
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(mm)	Max(mm)	Max(mm)	(mm)
195	18	4.20	2.00	0.50	14.50	10.80±0.5

◆SW-9A□A15A130□-□



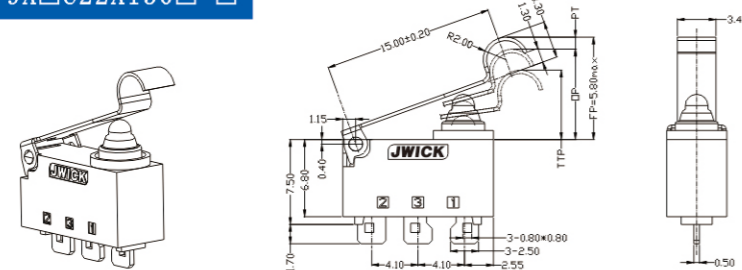
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(mm)	Max(mm)	Max(mm)	(mm)
195	18	4.20	2.00	0.50	14.50	10.80±0.5

◆SW-9A□C23A130□-□



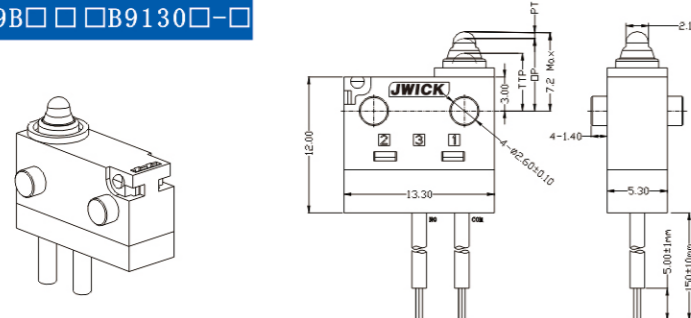
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(mm)	Max(mm)	Max(mm)	(mm)
130	20	1.8	1.60	0.50	5.8	4.50±0.5

◆SW-9A□C22A130□-□



OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(mm)	Max(mm)	Max(mm)	(mm)
130	15	1.8	1.90	0.50	5.8	8.2±0.5

◆SW-9B□□B9130□-□

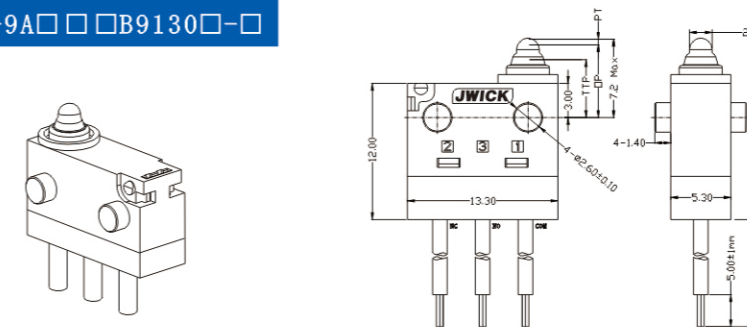


OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(mm)	Max(mm)	Max(mm)	(mm)
130	30	1.30	1.40	0.25	7.20	6.40±0.3

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

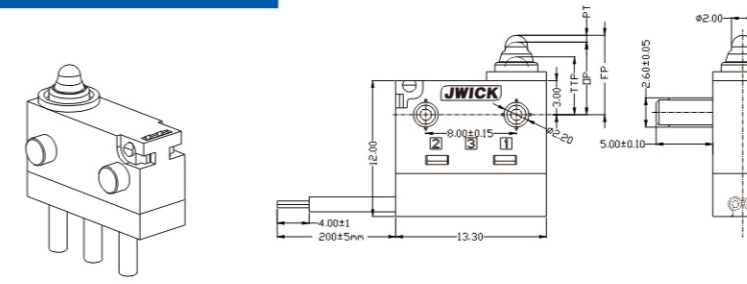
■外形尺寸和操作特性 Dimensions and Operating Characteristics

◆SW-9A□□B9130□-□



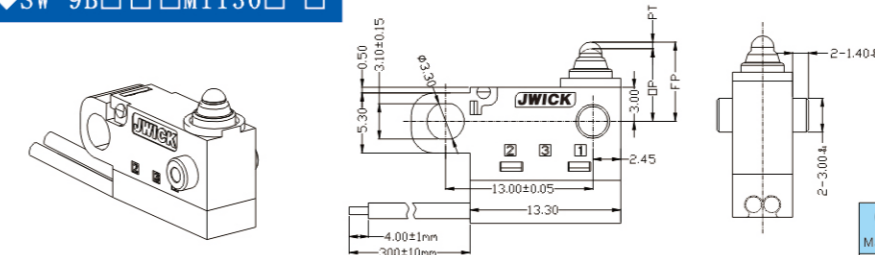
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(mm)	Max(mm)	Max(mm)	(mm)
130	30	1.30	1.40	0.25	7.20	6.40±0.3

◆SW-9A□□B4130□-□



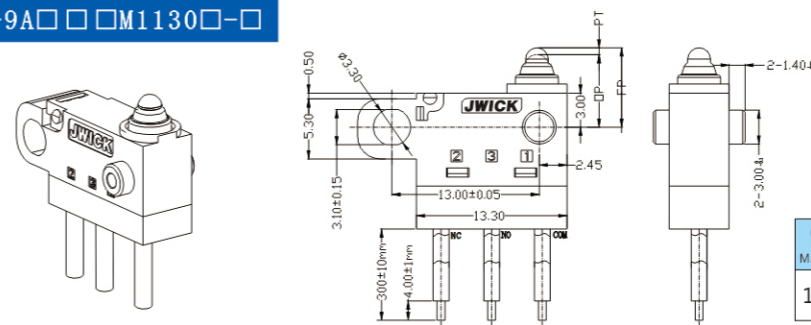
OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(mm)	Max(mm)	Max(mm)	(mm)
130	30	1.30	1.40	0.25	7.20	6.40±0.3

◆SW-9B□□M1130□-□



OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(mm)	Max(mm)	Max(mm)	(mm)
130	30	1.30	1.40	0.25	7.20	6.40±0.3

◆SW-9A□□M1130□-□



OF	RF	PT	OT	DT	FP	OP
Max(gf)	Min(gf)	Max(mm)	Min(mm)	Max(mm)	Max(mm)	(mm)
130	30	1.30	1.40	0.25	7.20	6.40±0.3