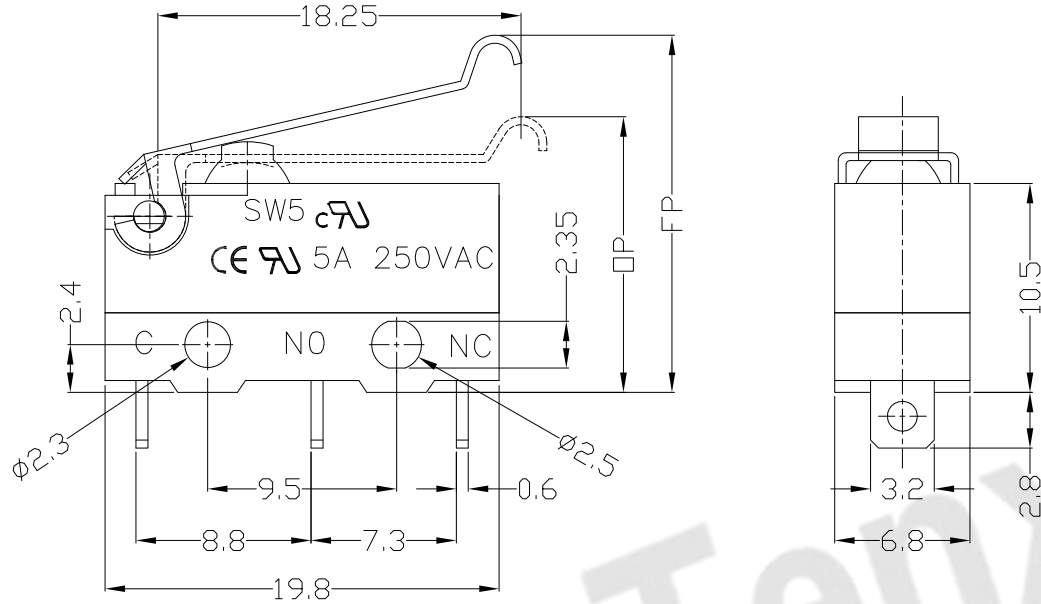




RoHS  
Compliant  
2002/95/EC

REV.	ECN.	NO.	APPD.

## DIMENSIONS

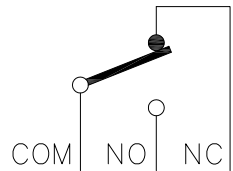


## MODEL CODE

SW 5 - 04 X - XX - C5

1 2 3 4 5 6

- 1.Series : SW
- 2.Current Rating: 5=5A 250VAC
- 3.Actuator: 00=Non-lever 01-99=Lever
- 4.Termination: see chart (N/P)  
(2=SPST-NO)
- 5.Operating Force: see chart
- 6.Contact type: C5=5Amps Contact
- 7.Body type: none=6.8mm



## CIRCUIT DIAGRAM

## 1.Functional spec

1.1 Rated Voltage	250VAC		
1.2 Rated Current	5A		
1.3 Contact Resistance	≤100mΩ(Initial value)		
1.4 Operating Force	40±20gf	55±25gf	90±30gf
1.5 Free Position	17.5±1.2mm		
1.6 Operating Position	14.2±1.2mm		

## 2.Reliable Rating

2.1 Mechanical Life	1,000,000 CYCLES
2.2 Electrical Life	10,000 CYCLES
2.3 Insulation Resistance	≥100MΩ DC500V
2.4 Withstand Voltage	AC1000V 1 minute
2.5 Soldering Technic	Hand Soldering
2.6 Operating Temper	-25°C ~ +80°C
2.7 Ambient Humidity Used	<85%RH

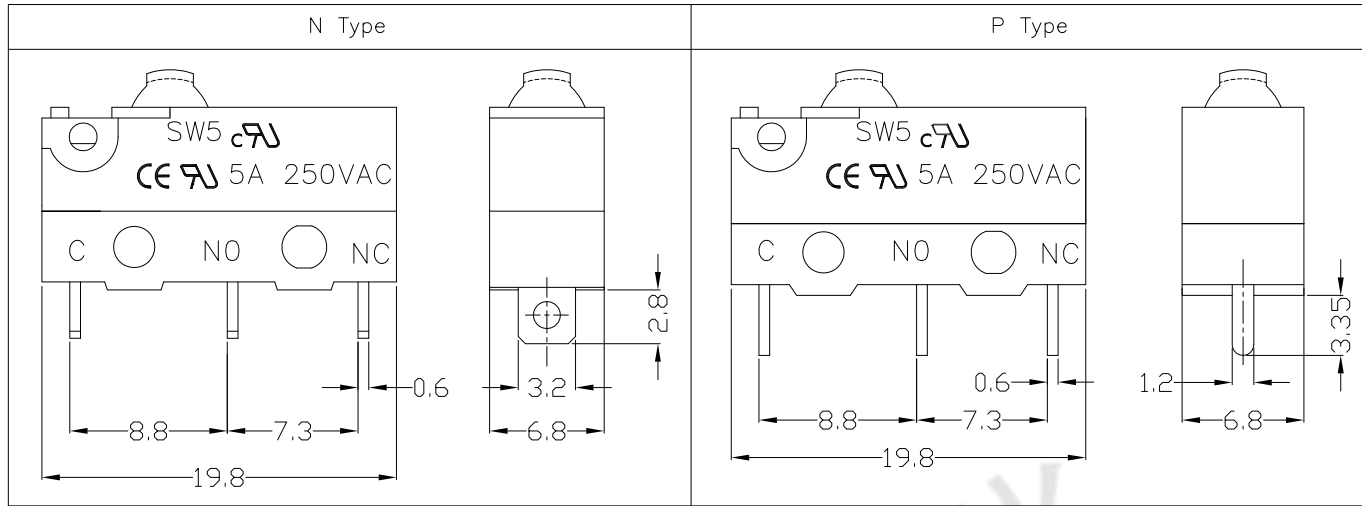
Tolerance:±0.2		UNITS	东莞市腾兴电子有限公司			
		mm				
		MAT'L	SEE NOTE		TITLE: MICRO SWITCH Waterproof SW5 SERIES	
		FINISH	SEE NOTE		PART NO.: SW5-04N-XX-C5	
		Q'TY	CHKD: Ricky 2017/3/8		DR: Ricky 2017/3/8	
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			SCALE	SHEET	REV.	CUSTOMER DRAWING
			1:1	1/2	A	



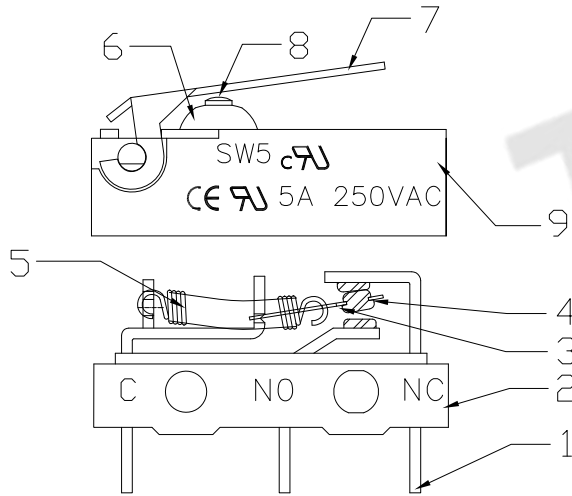
RoHS  
Compliant  
2002/95/EC

### Terminal Type

REV.	ECN.	NO.	APPD.



### Structure chart



3.Protection class	Test conditions and technical requirement	Conclusion to determine
3.1 protection against ingress of dust <math>\le 0.10\text{mm}</math> (IP5X)	The switches are placed in a position of normal use inside the test chamber. The test is carried out according to the second enclosure of IEC60529-1989. The test shall be continued for a period of 8h. After testing, the switches are taken out of the chamber and left at $25\pm 10^{\circ}\text{C}$ conditions, Load Rating: 5A 250VAC, test the temperature rise of the switches.	After test: 1. Operating is normal; 2. The temperature rise shall not exceed 50K; 3. Between terminals, terminal and surface of the crust, dielectric withstand in voltage $\ge 1000\text{V}$
3.2 protection against ingress of water (IPX1)	The switches are placed in an oven which the temperature is $70\pm 2^{\circ}\text{C}$ for 240 hours. Then the switches are taken out of the oven immediately and left at $25\pm 10^{\circ}\text{C}$ conditions for 16 hours. After that, testing protection against ingress of water. During the testing, the temperature between the water and the samples shall not exceed 5K, and the switches have no electric current.	After test: 1. The body of the switch and the airproof cap have no transmutation, dilapidation, induration; 2. The switch shall withstand the dielectric strength $\ge 1000\text{V}$ 3. There is no trace of water on insulation which could result in a reduction of creepage distances and clearances below the values specified.
3.3 reference standards and conditions	IEC60529-1989 IEC61058-1:1996 Environment condition: temperature range $15^{\circ}\text{C}-35^{\circ}\text{C}$	

### Material list

NO.	PARTS	MATERIAL	Q'TY	FINISHING
9	Upper Housing	Nylon	1	Black
8	Button	PBT	1	Black
7	Lever	SUS301	1	
6	Cap	RUBBER	1	
5	Spring	SUS304	1	
4	Contact	Silver alloy	3	
3	Change Plate	C5210	1	
2	Base	Nylon	1	Black
1	Terminal	C2680	3	

Tolerance: $\pm 0.2$	UNITS mm	东莞市腾兴电子有限公司			
	MAT'L SEE NOTE				
	FINISH SEE NOTE	TITLE: MICRO SWITCH Waterproof SW5 SERIES	PART NO.: SW5-04X-XX-C5		
	Q'TY	DR: <i>Ricky</i> 2017/3/8	DWG NO.: ATD-04X-XX-C5		
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		APPD:	1:1	2/2	A
					CUSTOMER DRAWING