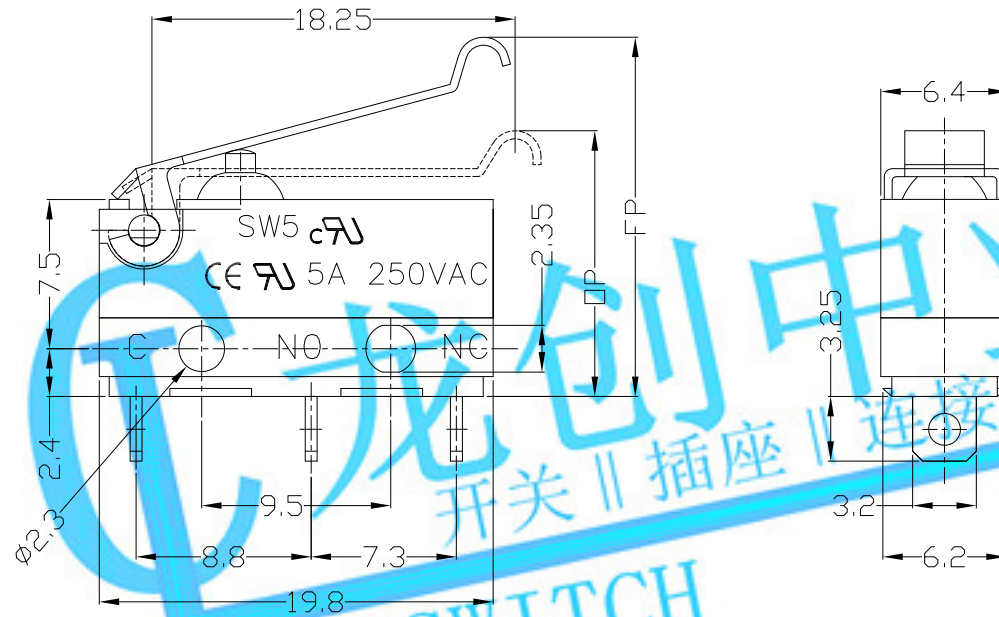




RoHS  
Compliant  
2002/95/EC

REV.	ECN.	NO.	APPD.

## DIMENSIONS

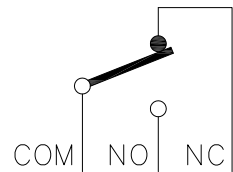


## MODEL CODE

SW5-04X-XX-C5-M

1 2 3 4 5 6 7

- 1.Series : SW
- 2.Current Rating: 5=5A 250VAC
- 3.Actuator: 00=Non-lever 01-99=Lever
- 4.Termination: N (2=SPST-NO)
- 5.Operating Force: see chart
- 6.Contact type: C5=5Amps Contact
- 7.Body type: M=6.4mm(the teminal can be solder waterproof wires)



## 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	15.5±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

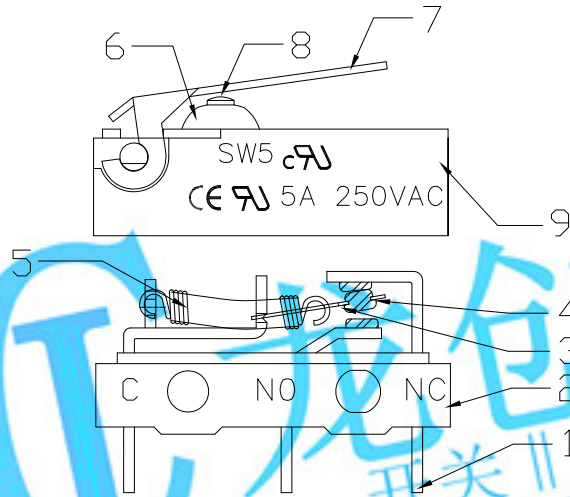
Tolerance:±0.2		UNITS	mm	LONGCHUANG ZHONGYE (HK)CO.,LIMITED			
		MAT'L	SEE NOTE	TITLE:		PART NO.:	
		FINISH	SEE NOTE	MICRO SWITCH Waterproof SW5 SERIES		SW5-04N-XX-C5-M	
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF ACCURATE INNOTECH INC AND SHALL NOT BE REPRODUCED, COPIED OR USED IN ANY MANNER WITHOUT THE PRIOR WRITTEN CONSENT OF ACCURATE INNOTECH INC.		Q'TY	CHKD:	DR: Ricky 2017/3/9		DWG NO.:	
				Ricky 2017/3/9		ATD-04N-XX-C5-M	
				APPD:		SCALE	SHEET
						1:1	1/2
						REV.	CUSTOMER
						A	DRAWING



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## Structure chart



3. Protection class	Test conditions and technical requirement	Conclusion to determine
3.1 protection against ingress of dust $\leq 0.1\text{mm}$ (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 $50\text{K}$ ; 3. Between terminals, terminal and surface of the crust, dielectric withstand in voltage $\geq 1000\text{V}$
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 $5\text{K}$ , 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 $\geq 1000\text{V}$ 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	UNIT	mm	LONGCHUANG ZHONGYE (HK) CO., LIMITED
9	Upper Housing	Nylon	1	Black	Tolerance: $\pm 0.2$		
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				
NO.	PARTS	MATERIAL	Q'TY	FINISHING			

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UNIT	mm
MAT'L	SEE NOTE
FINISH	SEE NOTE
Q'TY	
APPD:	

TITLE:	MICRO SWITCH Waterproof SW5 SERIES	PART NO.:	SW5-04N-XX-C5-M
DR:	Ricky 2017/3/9	DWG NO.:	ATD-04N-XX-C5-M
CHKD:	Ricky 2017/3/9	SCALE	1:1
APPD:		SHEET	2/2
		REV.	A
		CUSTOMER	DRAWING