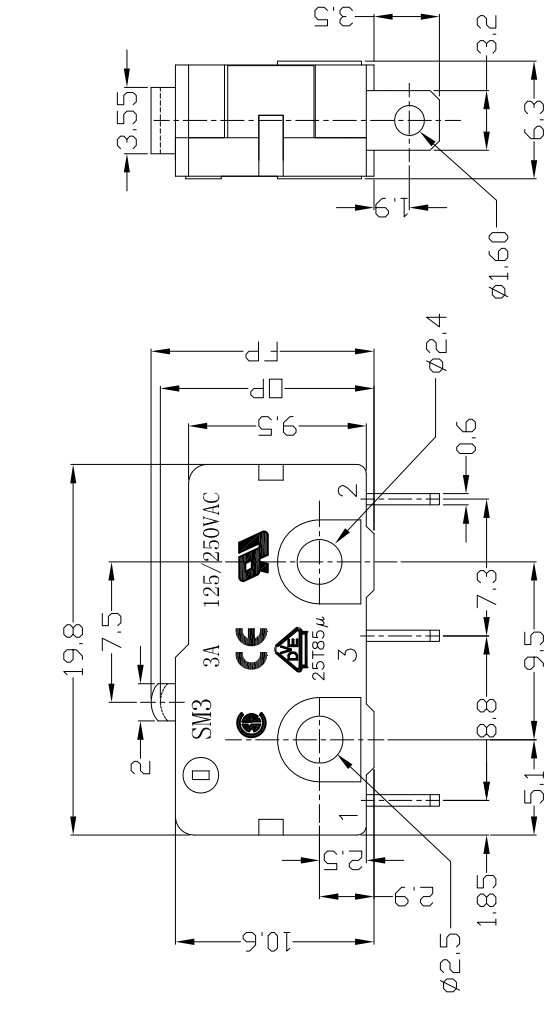


**RoHS Compliant**  
2002/95/EC

**Pb**  
Process Capable

**DIMENSIONS**



**1.Functional spec**

1.1 Rated Voltage(AC)	125/250VAC
1.2 Rated Current(AC)	3A
1.3 Contact Resistance	≤100mΩ(initial value)
1.4 Operating Force	115±30gf 175±45gf 250±50gf
1.5 Bounce Time	11.9±0.3mm
1.6 Free Position	11.3±0.35mm
1.7 Operating Position	11.3±0.35mm
1.8 Position Travel	
1.9 Return Force	

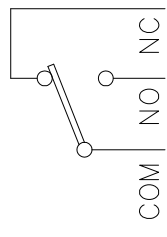
**2.Reliable Rating**

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 ~ +85°C
2.7 Ambient Humidity Used	<85%RH

**MODEL CODE**

SM 3 - 00 X - XX S - C31  
 1 2 3 4 5 6 7

- 1.Series : SM
- 2.Current Rating : 3=3A 125/250VAC
- 3.Actuator : 00=Non-lever 01-99=Lever
- 4.Termination : see chart (N/P/C/D)  
(2=SPST-NO / 3=SPST-NC)
- 5.Operating Force : see chart
- 6.Spring Material:S=SUS304
- 7.Contact type: C31=3Amps Contact



**CIRCUIT DIAGRAM**

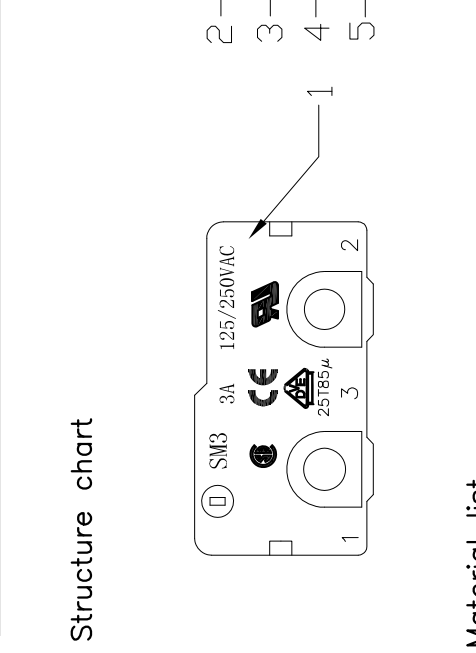
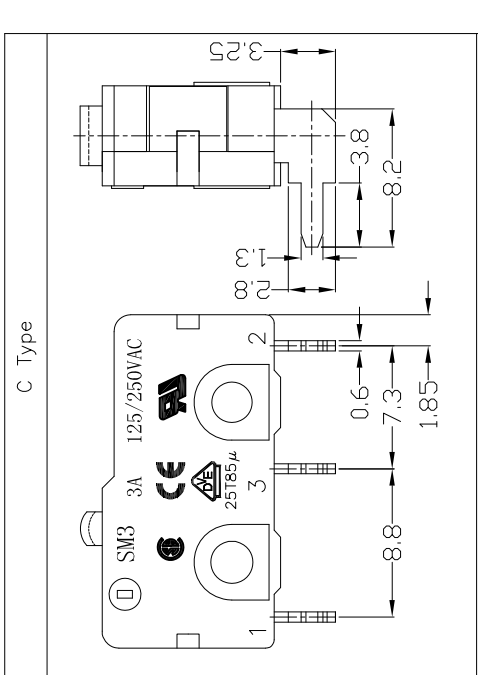
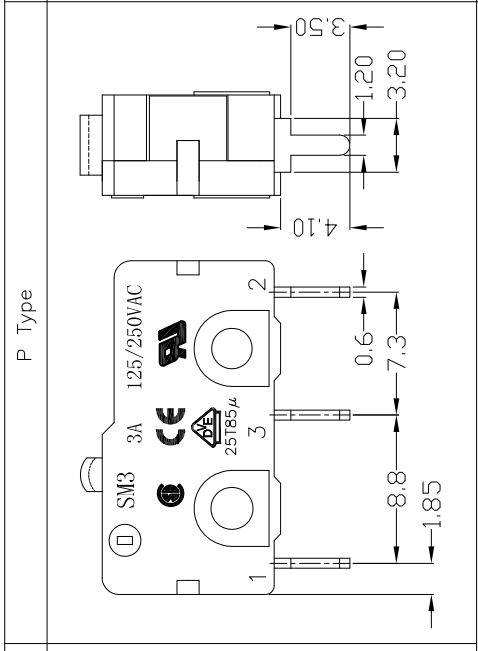
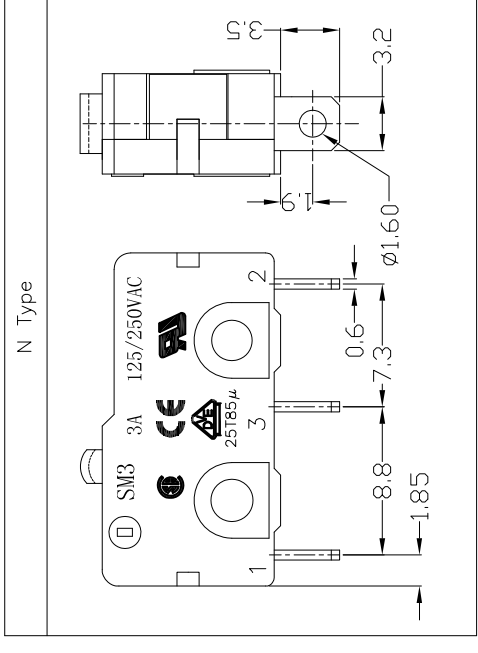
Tolerance:±0.2	UNITS mm	<b>龙创中业电子（深圳）有限公司</b>	
	MAT'L	TITLE: MICRO SWITCH SM3 SERIES	PART NO: SM3-00N-XXS-C31
	SEE NOTE	DR: <i>Ricky</i> 2017/4/10	DWG NO: ATD-00X-XXS-C31
	FINISH	CHKD: <i>Ricky</i> 2017/4/10	SCALE SHEET REV. 1:1 1/2 A
	SEE NOTE	APPD: <i>Ricky</i>	CUSTOMER DRAWING
	Q'TY		

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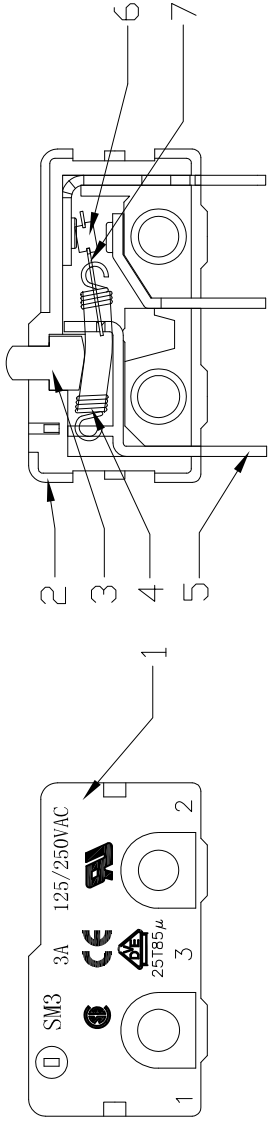
REV.	ECN.	NO.	APPD.



### Terminal Type



### Structure chart



### Material list

NO.	PARTS	MATERIAL	Q'TY	FINISHING
8				
7	Change Plate	C5210	1	
6	Contact	Silver alloy	1	
5	Terminal	C2680	3	
4	Spring	SUS304	1	
3	Button	PBT	1	
2	Lower Housing	PBT	1	
1	Upper Housing	PBT	1	
			Q'TY	FINISHING
			1	2
			3	4
			5	5
			6	6
			7	7

UNITS mm  
 Tolerance: ±0.2  
 MAT'L  
 SEE NOTE  
 FINISH  
 SEE NOTE  
 Q'TY

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## 龙创中业电子 (深圳) 有限公司

TITLE:	MICRO SWITCH SM3 SERIES	PART NO.:	SM3-00X-XXS-C31
DR:	Richy 2017/4/10	DWG NO.:	ATD-00X-XXS-C31
CHKD:	Richy 2017/4/10	SCALE	SHEET REV.
APPD:		1:1	2/2 A
			CUSTOMER DRAWING

**RoHS Compliant**  
2002/95/EC

**Pb**  
Process Capable

**19.8**  
**7.5**  
**2**  
**SM5 5A 125/250VAC**  
**CE**  
**CQC**  
**25185μ**  
**3**  
**2**  
**1**  
**10.6**  
**1.85**  
**8.8**  
**7.3**  
**9.5**  
**5.1**  
**3.55**  
**3.2**  
**6.3**  
**3**  
**2**  
**1**  
**2**  
**3**  
**4**  
**5**  
**6**  
**7**

**1. Functional spec**

1.1 Rated Voltage(AC)	125/250VAC
1.2 Rated Current(AC)	5A
1.3 Contact Resistance	≤100mΩ(initial value)
1.4 Operating Force	115±30gf   175±45gf   250±50gf
1.5 Bounce Time	11.9±0.3mm
1.6 Free Position	11.3±0.35mm
1.7 Operating Position	11.3±0.35mm
1.8 Position Travel	
1.9 Return Force	

**2. Reliable Rating**

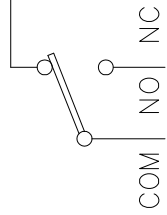
2.1 Mechanical Life	1,000,000 CYCLES
2.2 Electrical Life	10,000 CYCLES
2.3 Insulation Resistance	≥100MΩ DC500V
2.4 Withstand Voltage	AC1000V 1 minute
2.5 Soldering Technic	Hand Soldering
2.6 Operating Temper	-25°C ~ +85°C
2.7 Ambient Humidity Used	<85%RH

**MODEL CODE**

SM 5 - 00 X - XX S - C51

1 2 3 4 5 6 7

- 1. Series : SM
- 2. Current Rating : 5=5A 125/250VAC
- 3. Actuator : 00=Non-lever 01-99=Lever
- 4. Termination : see chart (N/P/C/D/L)  
(2=SPST-NO / 3=SPST-NC)
- 5. Operating Force : see chart
- 6. Spring Material:S=SUS304
- 7. Contact type: C51=5Amps Contact



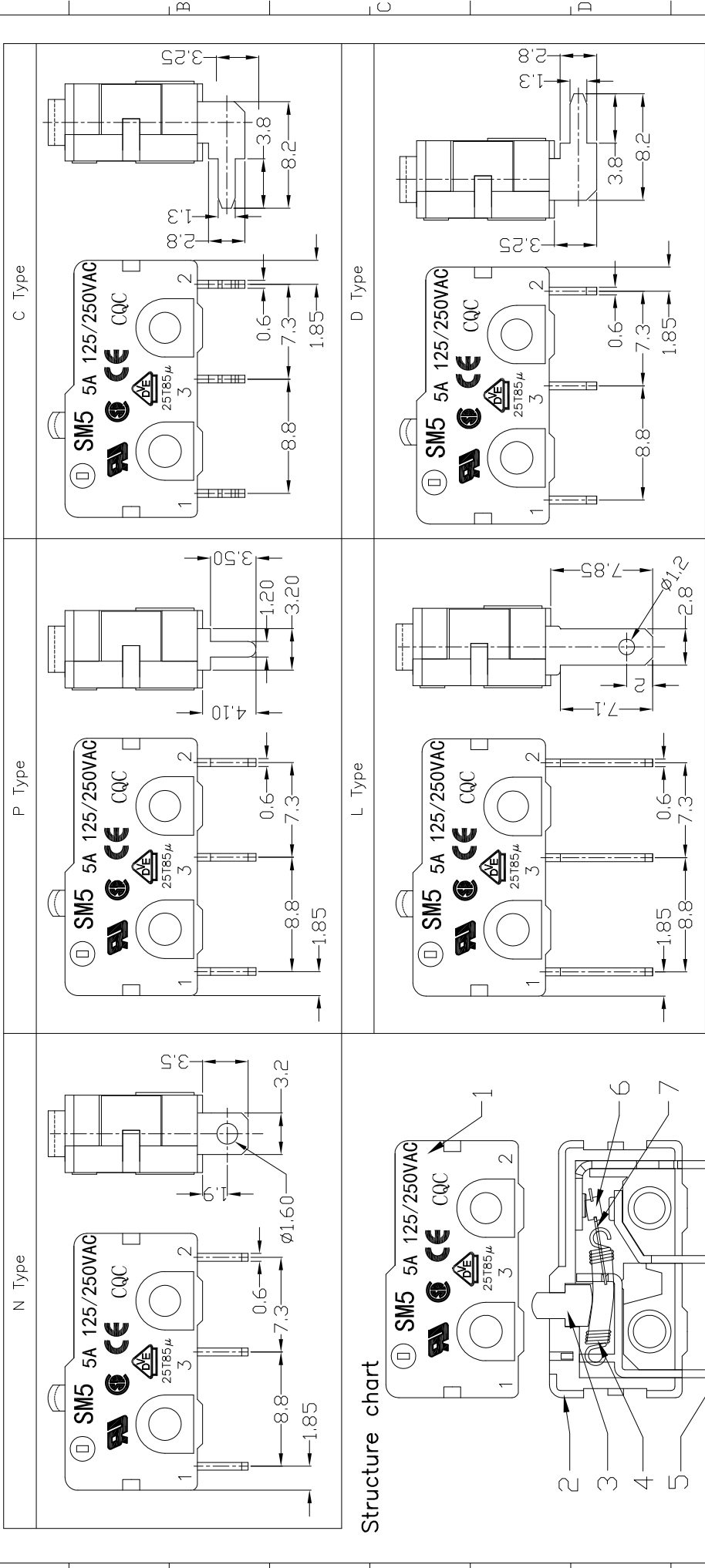
**CIRCUIT DIAGRAM**

Tolerance:±0.2	UNITS mm	<b>龙创中业电子(深圳)有限公司</b>	
	MAT'L	TITLE: MICRO SWITCH SM5 SERIES	PART NO: SM5-00N-XXS-C51
	SEE NOTE	DR: <i>Ricky</i> 2017/4/12	DWG NO: ATD-00X-XXS-C51
	FINISH	CHKD: <i>Ricky</i> 2017/4/12	SCALE SHEET REV. 1:1 1/2 A
	SEE NOTE	APPD:	CUSTOMER DRAWING
	Q'TY		

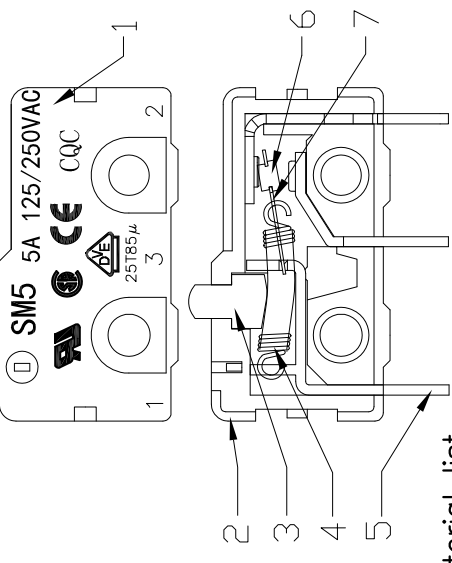
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Terminal Type



Structure chart



Material list

8	UNITS	Tolerance:±0.2	mm
7	Change Plate		
6	Contact		
5	Terminal		
4	Spring		
3	Button		
2	Lower Housing		
1	Upper Housing		
ND.	PARTS		

Q'TY	FINISHING	4	5	6	7
1					
3					
3					
1					
1					
1					
1					

UNIT	MAT'L	SEE NOTE	FINISH	SEE NOTE	Q'TY

SCALE	SHEET	REV.	CUSTOMER DRAWING
1:1	2/2	A	

TITLE	PART NO.:
MICRO SWITCH SM5 SERIES	SM5-00X-XXS-C51
DR: <i>Ricky</i> 2017/4/12	DWG NO.:
CHKD: <i>Ricky</i> 2017/4/12	ATD-00X-XXS-C51
APPD:	

龙创中业电子（深圳）有限公司	
SM5-00X-XXS-C51	