



**APPROVED DATA SHEET**

**Model: 1001610180(SW2-C1S1-02A0-Z)**

**ISSUED DATE: JUN.16.2016**  
**APPROVED NO. 1001610180.A**  
**PAGE: 1/4**

The undersigned guarantee of the model switches is meets the following specifications.

**1.Operation Characteristics**

- Operating Force (OF) : Max. 66 gf
- Releasing Force (RF) : Min. 13 gf
- Free Position ( FP ) : Max. 12.4 mm
- Operating Position (OP) : 8.8±1.2 mm
- Movement Differential (MD) : Max. 0.7 mm
- Over-travel (OT) : Min. 0.67 mm
- Pre-travel (PT) : Max. 4.8 mm

**2. Specifications**

- Initial Contact Resistance : Max. 300mΩ.  
( Measured by ohm meter –Open Voltage<1VDC, Driver current -100mA )  
Before measure the switch contact resistance, please press the switch three times on and off.
- Initial Dielectric Strength : 500VAC(50-60HZ)/minute between contacts.  
1,500VAC(50-60HZ)/minute between Live-parts and dead metal parts.
- Insulation Resistance : Min. 100MΩ ( 500 VDC/ minute ) between Live-parts and dead metal parts.
- Circuit Arrangement : SPDT ( Single pole double throw )
- Rating : 0.1A 125/250VAC
- Service Life : Min. 10,000 operations.
- Rating Load : Resistive (R) Load.
- Operating Frequency : 10~30 operations per minute.
- Safety Certificate : UL, cUL, ENEC
  
- Mechanical Service Life : Press the switch to operation position - Min. 2,000,000 operations.
- Operating Frequency : Max. 120 operations per minute.



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### 3. Environments

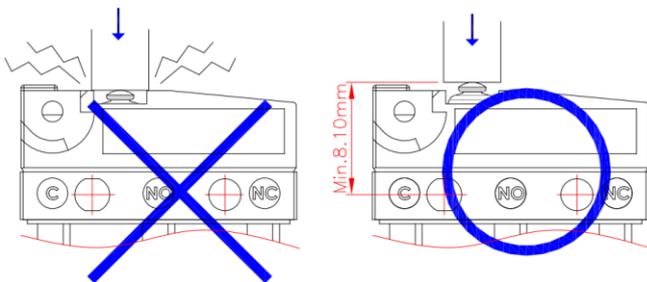
Operating Temperature	:	-40°C ~ 125°C ( with no icing )
Vibration Resistance	:	10~55Hz, displacement 0.75mm(p-p)
Shock Resistance	:	Destruction: 1,000 m/s <sup>2</sup> {approx. 100G} max. Malfunction: 300 m/s <sup>2</sup> {approx. 30G} max.

( For the pin plunger models, the vibration & shock condition apply for use at the free position and total travel position )  
( For the lever models, the vibration & shock condition apply for use at the total travel position )

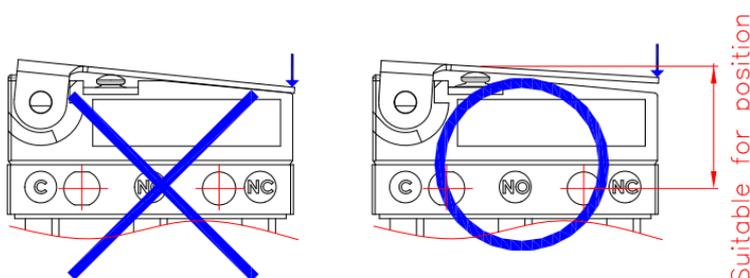
Soldering by hand	:	350°C maximum within 3 seconds (300°C maximum within 5 seconds).
Soldering bath	:	260°C maximum within 5 seconds.

#### Note 1: Actuator Method: as following drawing position

Example 1 - Button type model



Example 2 - Lever type model



ZIPPY TECHNOLOGY CORP.

黃玉燕

PREPARED

陳立業

CHECHED

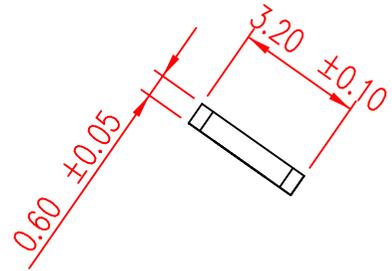
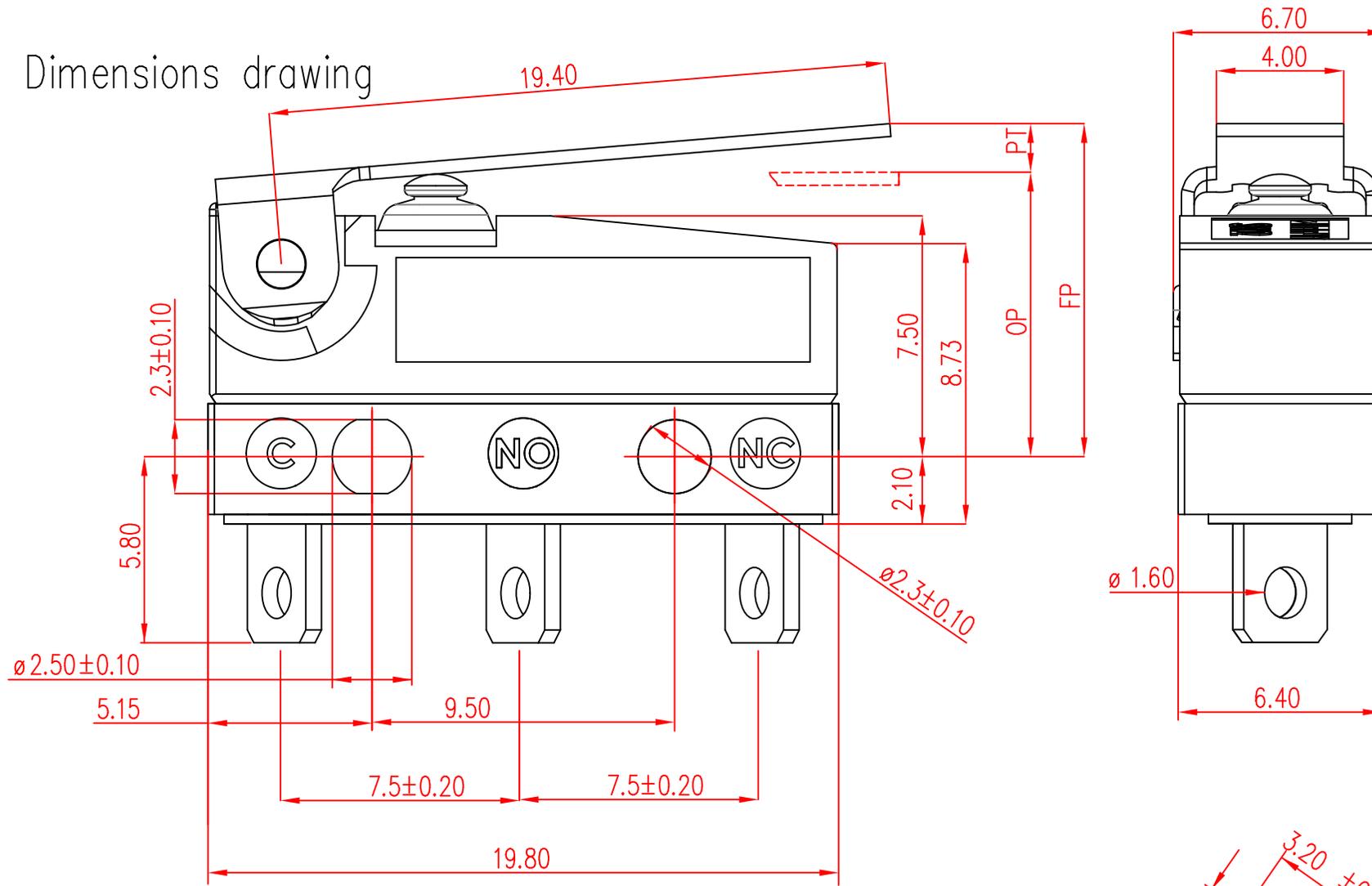
沈俊榮

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\* Above example drawing only show the actuator method define.

\*The switch correct forms and dimensions must reference to below deminsion drawing.

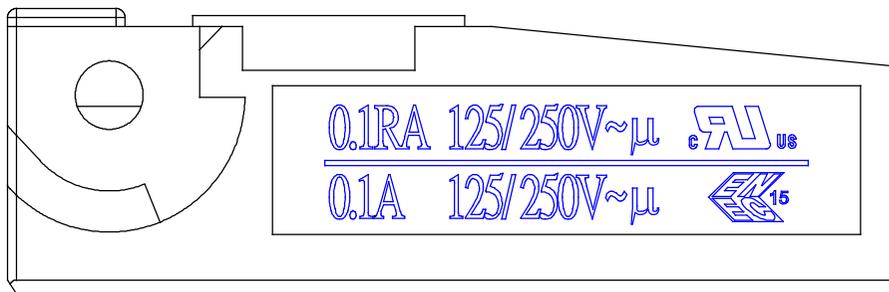
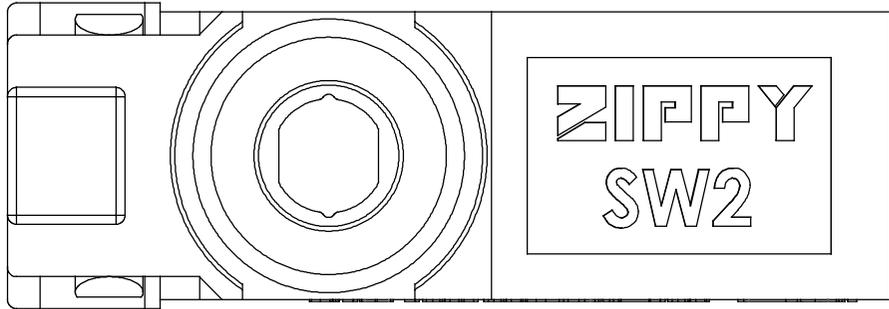
Dimensions drawing



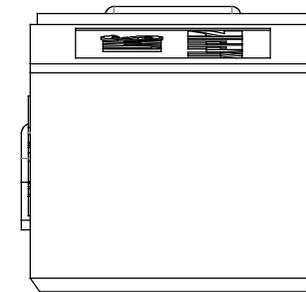
Tolerance	
X.X	± 0.2
XX.X	± 0.4

VIEW		SIZE	A4	UNIT	mm
DATE	SEP-26-2014	VER.	1.0	FILE NAME	SW2-102A0
APPROVAL	沈俊榮	CONFIRM	張立人	DESIGN	陳立業

# Marking drawing



A



B

Marking will be random on side A or side B  
 Markings are either by printing or molding  
 Appearance according to dimensions drawing.

新巨企業股份有限公司

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VIEW		SIZE	A4	UNIT	mm
DATE	MAR-18-2015	VER.	1.2	FILE NAME	SW2-C1-u
APPROVAL	沈俊榮	CONFIRM	許志誠	DESIGN	張立人