



ZIPPY TECHNOLOGY CORP.



10F, No.50, MinQuan Road, Xindian District,
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TEL: 886-2-2918-8512 / 886-2-2918-0603
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[Http://www.zippy.com.tw](http://www.zippy.com.tw)

APPROVED DATA SHEET

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

ISSUED DATE: 2023.09.08
APPROVED NO. 1001610180.E

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	:	Min. 2,000,000 operations.
Operating Frequency	:	Max. 120 operations per minute.
Operating application of the switch : Set the switch pushing distance from 60% to 90% of the specified OT value.		
Protection	:	IP67 (excluding the terminals on terminal models).



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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 ² {approx. 100G} max. Malfunction: 300 m/s ² {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.

4. Caution:



or click the link→https://www.zippy.com/ecmodelcautions/micro_switch_cautions.pdf

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陳立業

PREPARED

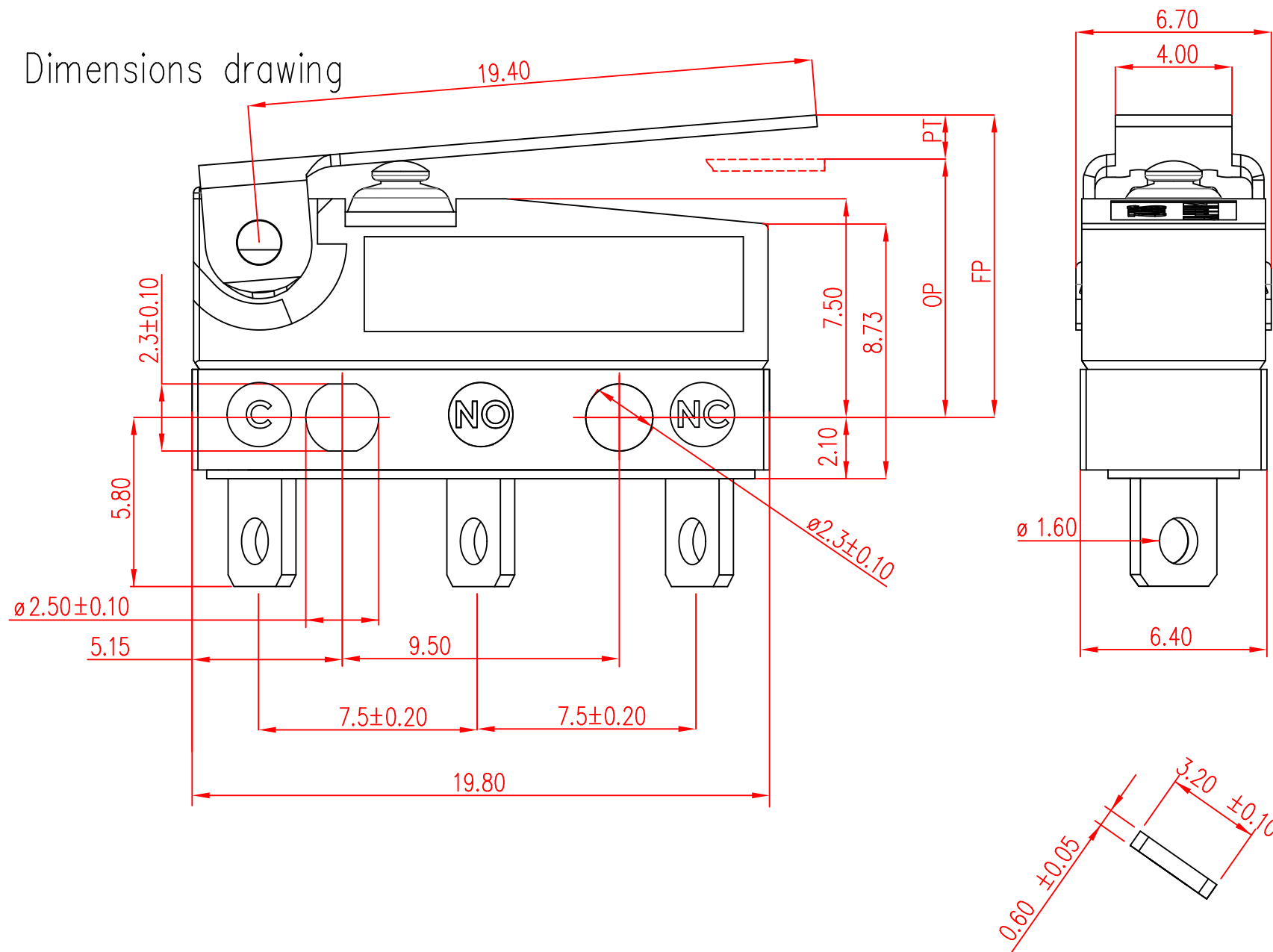
許志誠

CHECKED

沈俊榮

APPROVED

Dimensions drawing



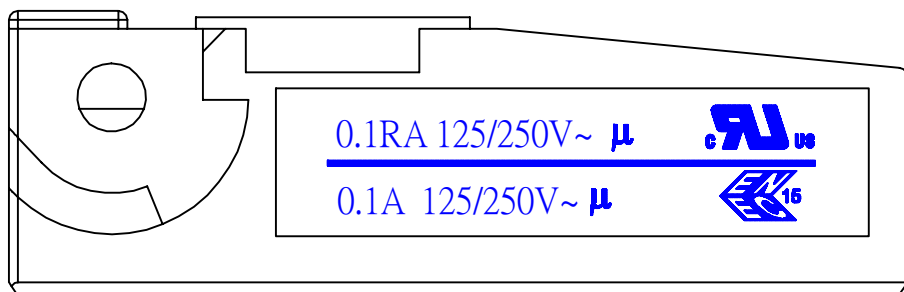
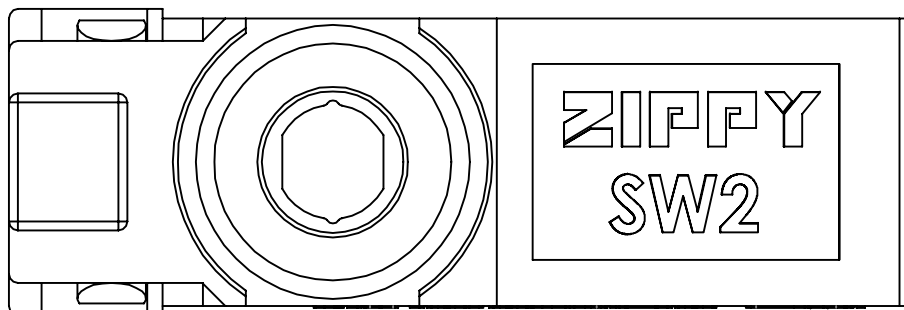
Tolerance		
X. X	±	0.2
XX. X	±	0.4

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

新巨企業股份有限公司

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Marking drawing



This page shows switch marking only.

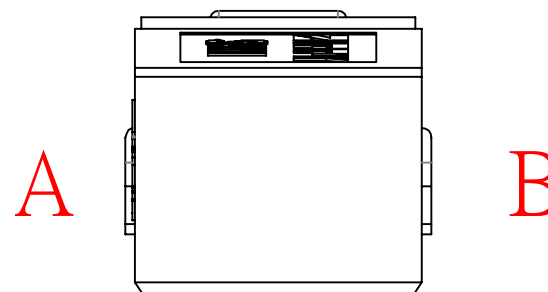
此頁僅顯示開關印字，外觀參照外觀圖

Marking will be randomly on side A or side B

印字可為A面或B面

Marking can either be printed or molded

印字可為印刷或模刻



VIEW		SIZE	A4	UNIT	mm
DATE	2020.11.10	VER.	1.4	FILE NAME	SW2-C1-u
APPROVAL	沈俊榮	CONFIRM	許志誠	DESIGN	陳立業