



ZIPPY TECHNOLOGY CORP.

10F, NO.50, MIN CHYUAN ROAD,
SHIN-TIEN CITY, TAIPEI COUNTY,
TAIWAN, R.O.C

TEL: 886-2-2918-8512 / 886-2-2918-0603
FAX: 886-2-2915-5765 / 886-22916-0215
[Http://www.zippy.com.tw](http://www.zippy.com.tw)



APPROVED DATA SHEET

Model: 1001610012(SW2-06S1-02A0-Z)

ISSUED DATE: 2023.09.08
APPROVED NO. 1001610012.G
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	:	6A 125/250VAC
Service Life	:	Min. 10,000 operations.
Rating Load	:	Resistive (R) Load & Inductive (GP) 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/s² {approx. 100G} max.
Malfunction: 300 m/s² {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

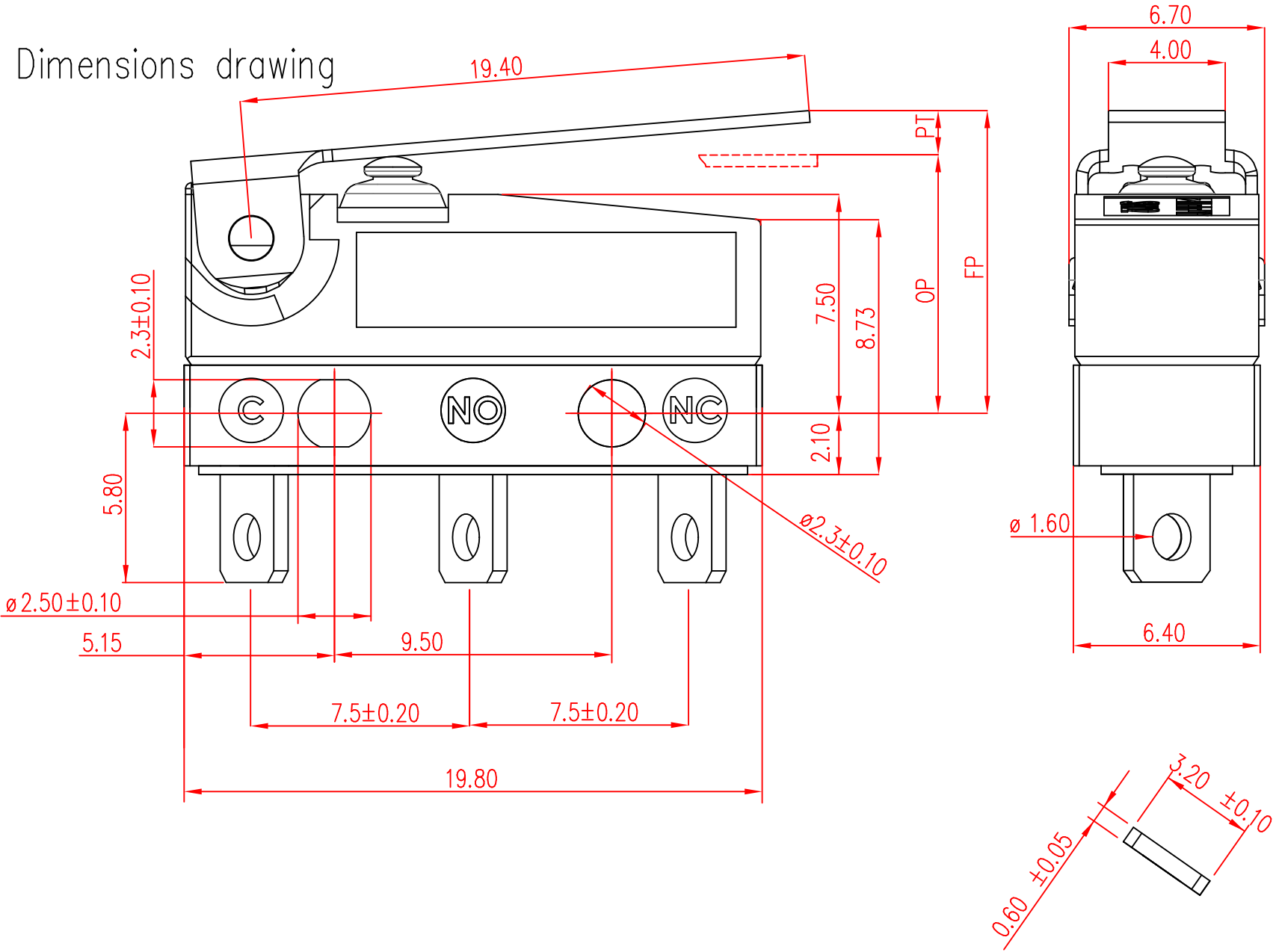
許志誠

CHECKED

沈俊榮

APPROVED

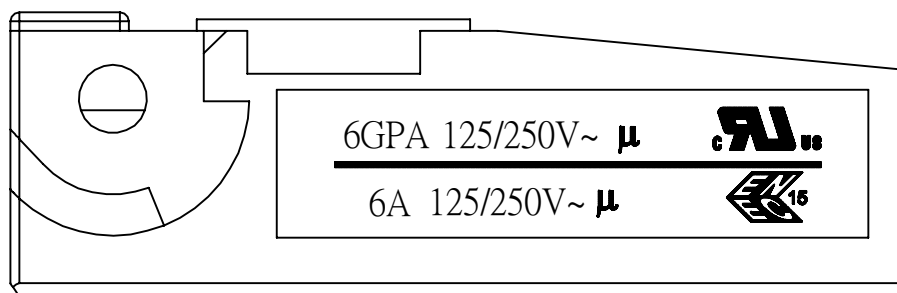
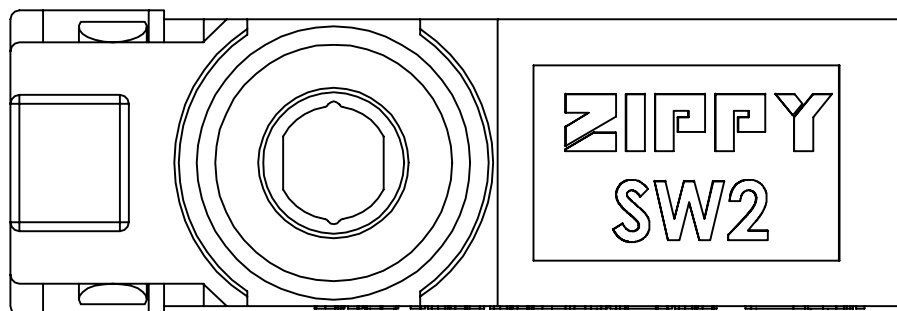
Dimensions drawing



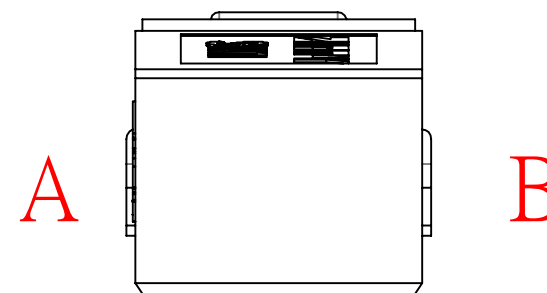
Tolerance		
X. X	±	0.2
XX. X	±	0.4

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

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	2020.11.04	VER.	1.3	FILE NAME	SW2-06-u
APPROVAL	沈俊榮	CONFIRM	許志誠	DESIGN	陳立業