



ZIPPY TECHNOLOGY CORP.



10F, No.50, MinQuan Road, Xindian District,
New Taipei City, 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: 1001610488(SW2-10S1-03R0-EA001-Z)

ISSUED DATE: 2023.11.27
APPROVED NO. 1001610488.C
PAGE: 1/4

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

1.Operation Characteristics

Operating Force (OF)	:	Max. 54 gf
Releasing Force (RF)	:	Min. 11 gf
Free Position (FP)	:	Max. 13.5 mm
Operating Position (OP)	:	8.8±1.6 mm
Movement Differential (MD)	:	Max. 0.9 mm
Over-travel (OT)	:	Min. 0.89 mm
Pre-travel (PT)	:	Max. 6.3 mm

2. Specifications

Initial Contact Resistance	:	Max. 370mΩ. (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	:	10A 125/250VAC ; 10(2)A 125/250VAC 5A 30VDC (Resistive Load)
Service Life	:	Min. 10,000 operations.
Rating Load	:	Resistive(R) Load; R-M(Resistive-motor) 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.

International Protection Code	:	IP67
-------------------------------	---	------



ZIPPY TECHNOLOGY CORP.



10F, No.50, MinQuan Road, Xindian District,
New Taipei City, 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: 1001610488(SW2-10S1-03R0-EA001-Z)

ISSUED DATE: 2023.11.27
APPROVED NO. 1001610488.C

PAGE: 2/4

3. Environments

Operating Temperature : -40°C ~ 85°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 5 seconds.



4. Caution:

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

ZIPPY TECHNOLOGY CORP.

簡素玲

PREPARED

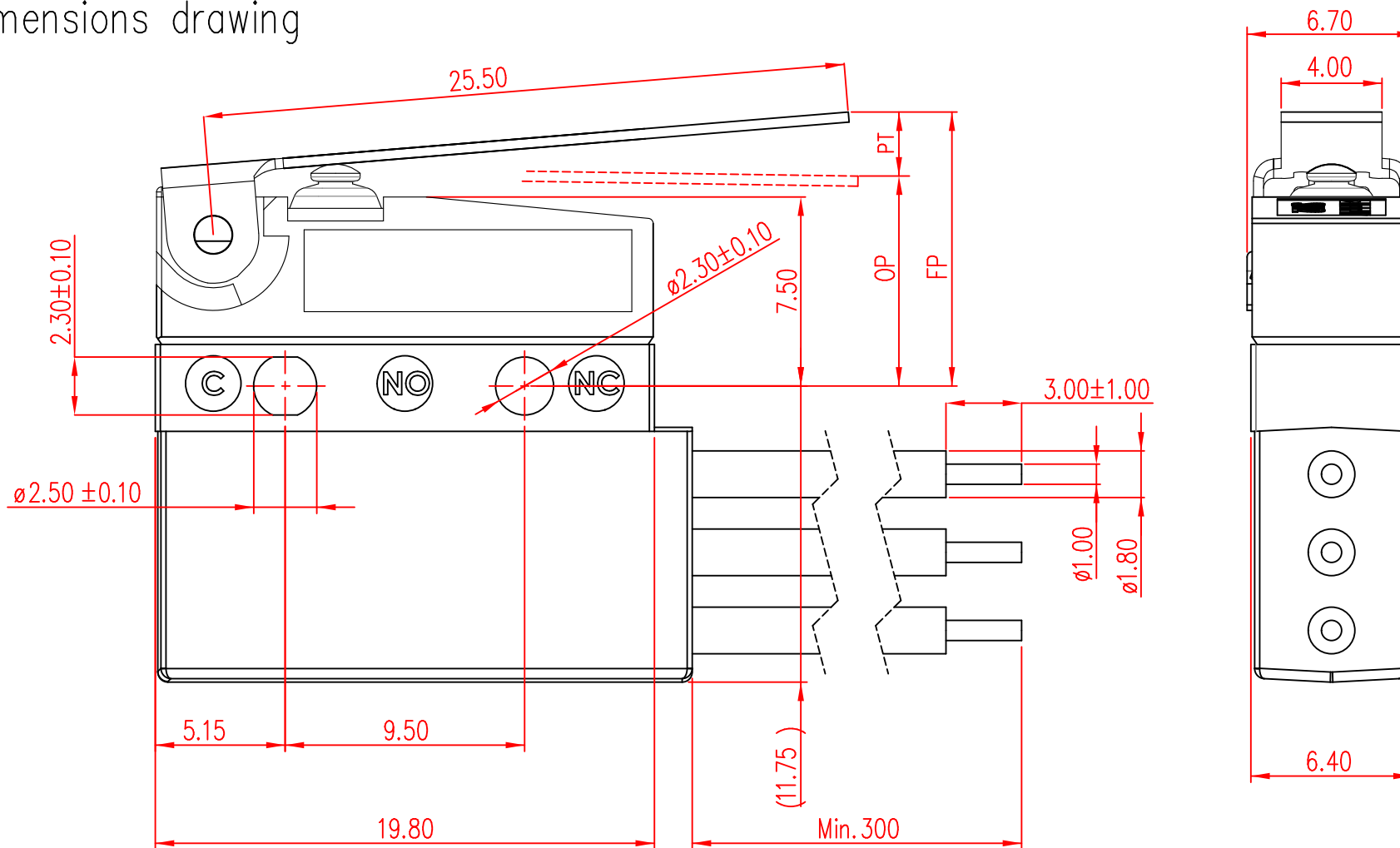
陳立業

CHECHED

沈俊榮

APPROVED

Dimensions drawing



NC:UL1007 20AWG GRAY
OR EQUIVALENT
NO:UL1007 20AWG BLUE
OR EQUIVALENT
COM:UL1007 20AWG BLACK
OR EQUIVALENT

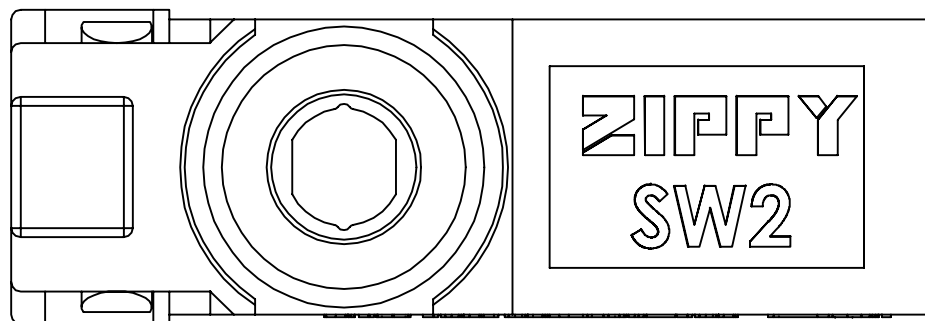
Tolerance		
X.X	±	0.2
XX.X	±	0.4

VIEW		SIZE	A4	UNIT	mm
DATE	JUN-02-2016	VER.	1.0	FILE NAME	SW2-03R0-EA001
APPROVAL	沈俊榮	CONFIRM	張立人	DESIGN	陳立業

新巨企業股份有限公司

ZIPPY TECHNOLOGY CORP.

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

