



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:1001660021(DW33-P1S-A1-MFR01A-Z)

ISSUED DATE: 2023.08.11

APPROVED NO.: 1001660021.D

PAGE: 1/4

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

1.Operation Characteristics

Operating Force (OF)	:	Max. 122 gf	Indicates operating load for NO contact to achieve ON status
Free Position (FP)	:	Max. 7.7 mm	
Operating Position on NO side (OP)	:	7.1±0.25 mm	Indicates position for NO contact to achieve ON status
Over-travel	:	1.75 mm (ref.)	
	:		

2. Specifications

Initial Contact Resistance	:	Max. 600mΩ. Before measure the switch contact resistance, please press the switch three times on and off.
Initial Dielectric Strength	:	500VAC(50-60HZ)/minute between contacts. 1500VAC(50-60HZ)/minute between Live-parts and dead metal parts.
Insulation Resistance	:	Min. 100 MΩ(500 VDC/ minute) between Live-parts and dead metal parts.
Circuit Arrangement	:	SPST (Single pole single throw)
Rating & Service Life	:	50mA 16VDC - Min. 150,000 operations. 1mA 5VDC - Min. 300,000 operations. 100mA 12VDC - Min. 300,000 operations.
Rating Load	:	Resistive Load.
Operating Frequency	:	Max.120 operations per minute.
Protection	:	IP67



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3. Environments

Operating Temperature : -40°C ~85°C (with no icing)
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)

Vibration Resistance : 10~55Hz, displacement 0.75mm(p-p)
Soldering by hand : 350°C maximum with in 3 seconds.
Soldering by bath : 260°C maximum with in 5 seconds



4. Caution:

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

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簡素玲

PREPARED

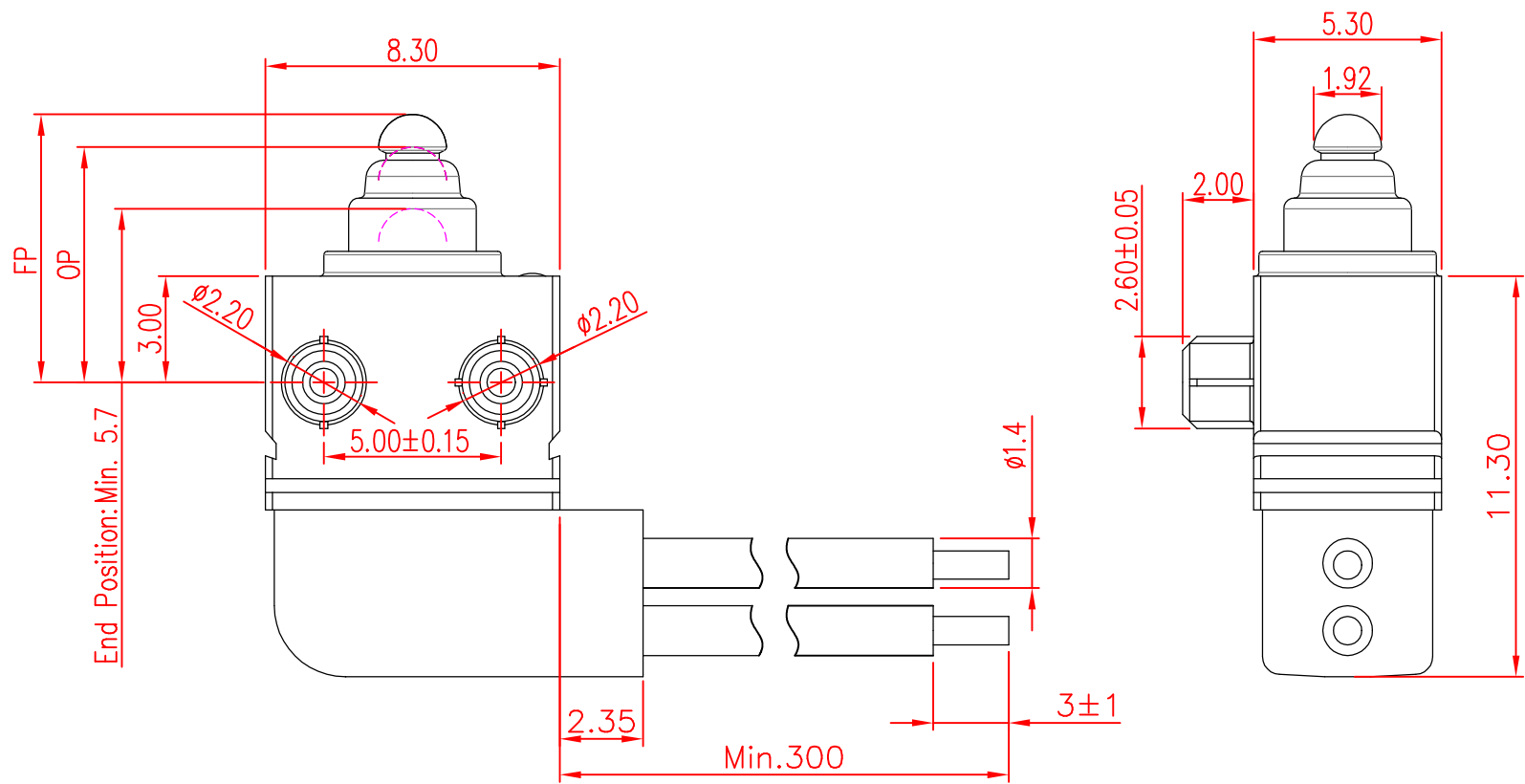
黃俊嘉

CHECKED

王永輝

APPROVED

Dimensions drawing



COM: AVSS 0.3mm² BLACK OR EQUIVALENT
NO: AVSS 0.3mm² BLUE OR EQUIVALENT

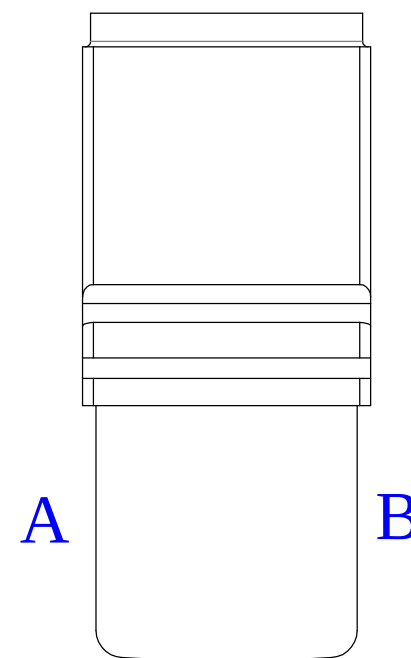
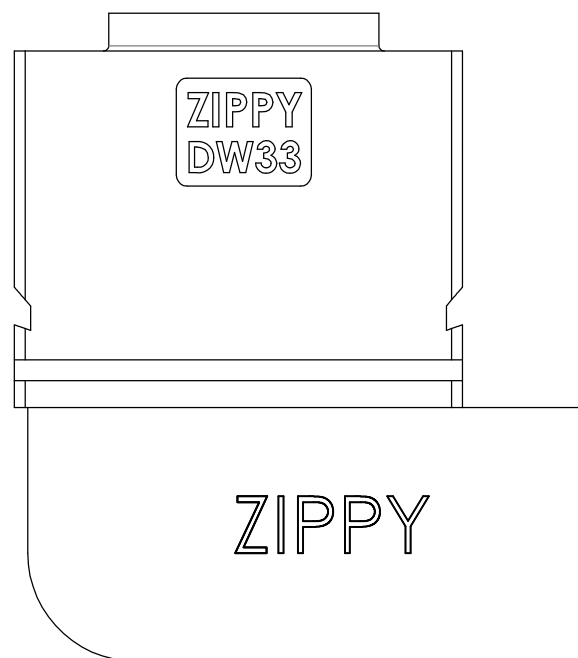
Tolerance	
X. X	± 0.2
XX. X	± 0.4

新巨企業股份有限公司

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VIEW		SIZE	A4	UNIT	mm
DATE	2019.12.16	VER.	1.0	FILE NAME	DW33-A1-MFR01A
APPROVAL	倪有庭	CONFIRM	歐大揮	DESIGN	黃俊嘉

Marking drawing



Marking will be randomly on side A or side B

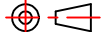
印字可為A面或B面

This page shows switch marking only.

此頁僅顯示開關印字，外觀參照外觀圖

Marking can either be printed or molded

印字可為印刷或模刻

VIEW		SIZE	A4	UNIT	mm
DATE	2021.11.24	VER.	1.0	FILE NAME	DW33-02
APPROVAL	倪有庭	CONFIRM	歐大揮	DESIGN	黃俊嘉