



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
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[Http://www.zippy.com.tw](http://www.zippy.com.tw)



APPROVED DATA SHEET

Model:1001660015(DW33-P1S-P2B-Z)

ISSUED DATE: 2023.08.11

APPROVED NO.: 1001660015.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 NC contact to achieve OFF status
Free Position (FP)	:	Max. 4.7 mm	
Operating Position on NC side (OP)	:	4.1±0.25 mm	Indicates position for NC contact to achieve OFF status
Over-travel	:	1.75 mm(ref.)	
	:		

2. Specifications

Initial Contact Resistance	:	Max. 500mΩ. 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 (excluding the terminals on terminal models)



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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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PREPARED

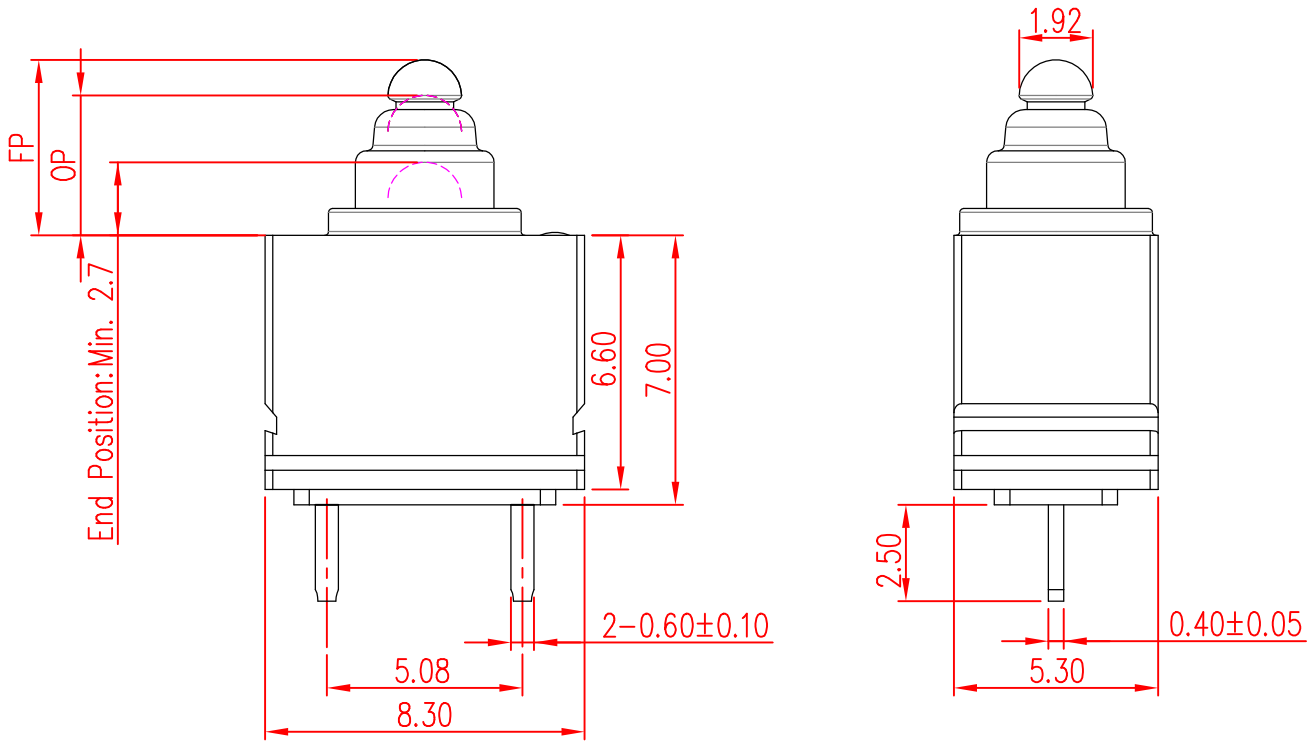
黃俊嘉

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王永輝

APPROVED

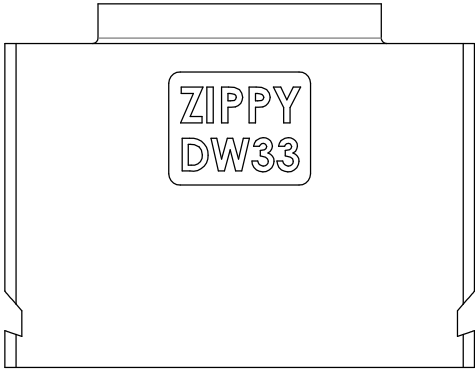
Dimensions drawing



Tolerance	
X. X	± 0.2
XX. X	± 0.4

VIEW		SIZE	A4	UNIT	mm
DATE	2019.08.13	VER.	1.0	FILE NAME	DW33-PB
APPROVAL	倪有庭	CONFIRM	歐大揮	DESIGN	黃俊嘉

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 can either be printed or molded
印字可為印刷或模刻

新巨企業股份有限公司	ZIPPY TECHNOLOGY CORP.	VIEW		SIZE	A4	UNIT	mm
		DATE	2020.11.13	VER.	1.2	FILE NAME	DW33-00
		APPROVAL	倪有庭	CONFIRM	歐大揮	DESIGN	黃俊嘉