



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: 1000140111(DW-N2S-00A0E-Z)

ISSUED DATE: 2023.05.23

APPROVED NO.: 1000140111.H

PAGE: 1/4

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

1.Operation Characteristics

Operating Force (OF)	:	Max. 130 gf
Releasing Force (RF)	:	Min. 13 gf
Free Position (FP)	:	Max. 7.35 mm
Operating Position (OP)	:	6.75±0.2 mm
Movement Differential (MD)	:	Max. 0.3 mm
Over-travel (OT)	:	Min. 0.8 mm
Pre-travel (PT)	:	Max. 0.8 mm

2. Specifications

Initial Contact Resistance	:	Max. 100 mΩ . (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	:	150VAC(50-60HZ)/minute between contacts. 500VAC(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	:	SPDT (Single pole double throw)
Rating	:	10mA 12VDC
Service Life	:	Min. 500,000 operations.
Rating Load	:	Resistive Load.
Operating Frequency	:	10~30 operations per minute.
Safety Certificate	:	ENEC
Mechanical Service Life	:	Min. 500,000 operations.
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(DC Rating, 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 : 300°C maximum within 5 seconds.
350°C maximum within 3 seconds.
Soldering bath : 260°C maximum within 5 seconds.

4. Caution:



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

ZIPPY TECHNOLOGY CORP.

卓妍蓁

PREPARED

張奕鉸

CHECKED

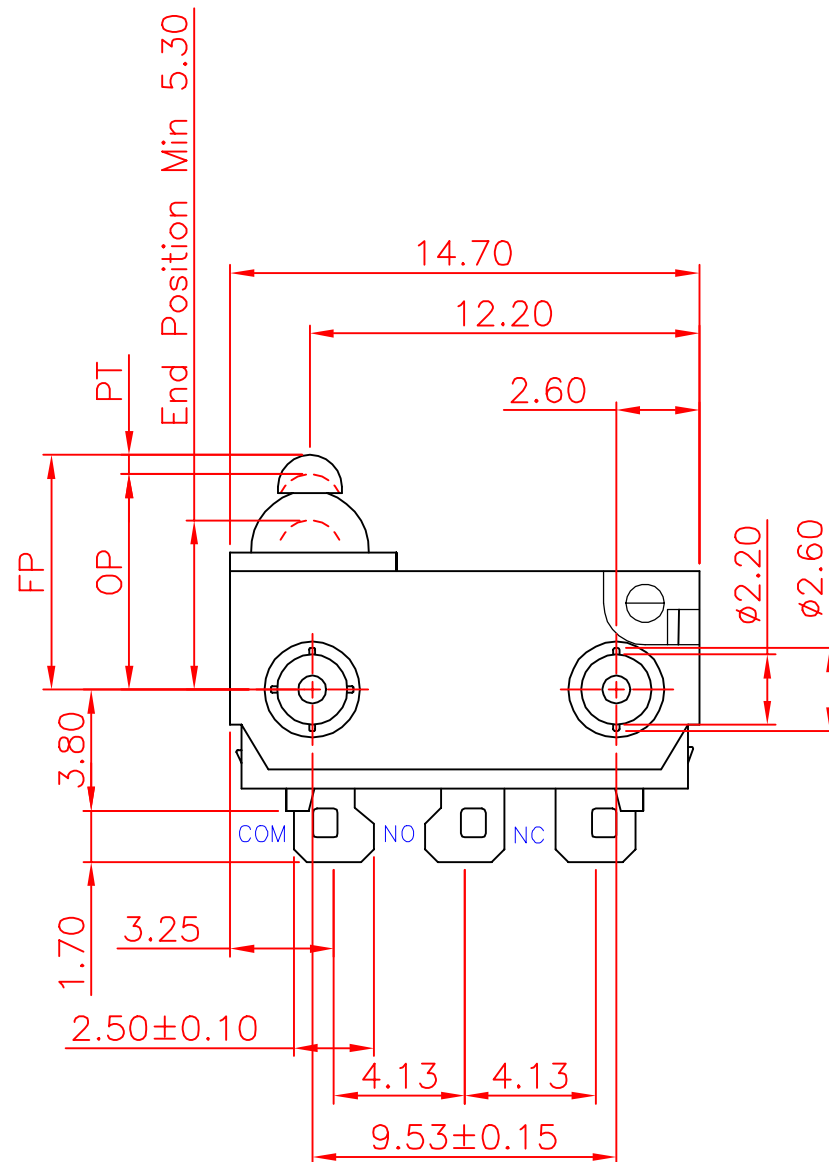
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drawing

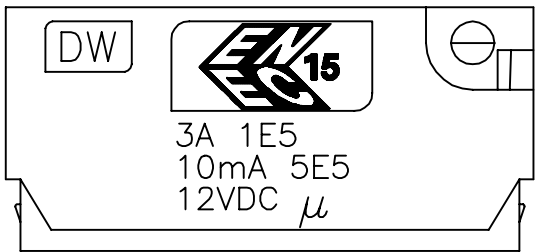
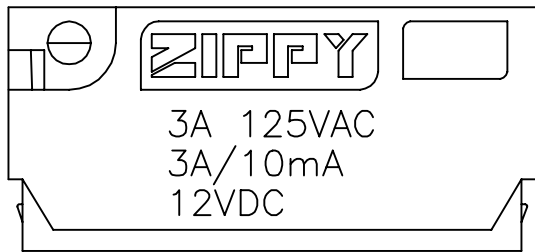
Technical drawing of a mechanical part, likely a valve or actuator, showing dimensions in millimeters. The drawing includes a side view and a top view. Key dimensions are:

- Overall height: 8.10
- Height of the main body: 7.50
- Top flange diameter: $\phi 2.00$
- Top flange thickness: 5.00
- Bottom flange thickness: 0.50 $\pm$ 0.05
- Bottom flange diameter: 2.80
- Overall width: 5.40



VIEW		SIZE	A4	UNIT	mm
DATE	2020.05.28	VER	1.5	FILE NAME	DW-00A0E
APPROVAL	倪有庭	CONFIRM	黃俊嘉	DESIGN	歐大揮

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

Tolerance ±0.4

新巨企業股份有限公司	ZIPPY TECHNOLOGY CORP.	VIEW		SIZE	A4	UNIT	mm
		DATE	2020.11.05	VER.	1.3	FILE NAME	DW-03-Z
		APPROVAL	倪有庭	CONFIRM	黃俊嘉	DESIGN	歐大揮