



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: 1001570273(DFW-05S-A00E0E-Z)**

ISSUED DATE: 2023.10.06

APPROVED NO.: 1001570273.C

PAGE: 1/4

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

### 1.Operation Characteristics

|                            |   |              |
|----------------------------|---|--------------|
| Operating Force (OF)       | : | Max. 170 gf  |
| Releasing Force (RF)       | : | Min. 35 gf   |
| Free Position (FP)         | : | Max.6.4 mm   |
| Operating Position (OP)    | : | 5.9±0.2 mm   |
| Movement Differential (MD) | : | Max. 0.12 mm |
| Over-travel (OT)           | : | Min. 0.2 mm  |
| Pre-travel (PT)            | : | Max. 0.5 mm  |

### 2. Specifications

|                             |   |                                                                                                                |
|-----------------------------|---|----------------------------------------------------------------------------------------------------------------|
| Initial Contact Resistance  | : | Max. 100 mΩ .<br>Before measure the switch contact resistance, please press the switch three times on and off. |
| Initial Dielectric Strength | : | 500VAC(50-60HZ)/minute between contacts.<br>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         | : | SPDT ( Single pole double throw )                                                                              |
| Rating                      | : | 5A 125/250VAC ; 3A 24VDC                                                                                       |
| Service Life                | : | Min. 10,000 operations                                                                                         |
| Rating Load                 | : | Resistive Load                                                                                                 |
| Operating Frequency         | : | 10~30 operations per minute                                                                                    |
| Safety Certificate          | : | UL, cUL, ENEC                                                                                                  |

Mechanical Service Life : Min. 1,000,000 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 ~ 85°C (with no icing)  
Vibration Resistance : 10~55Hz, displacement 0.75mm(p-p)  
Shock Resistance : Destruction: 1,000 m/s<sup>2</sup> {approx. 100G} max.  
Malfunction: 300 m/s<sup>2</sup> {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 : 260°C maximum within 5 seconds.  
300°C maximum within 3 seconds.  
Soldering bath : 260°C maximum within 5 seconds. (PCB thickness more than Min 1.6 mm.)

### 4. Caution:



or click the link→ [https://www.zippy.com/ecmodelcautions/micro\\_switch\\_cautions.pdf](https://www.zippy.com/ecmodelcautions/micro_switch_cautions.pdf)

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PREPARED

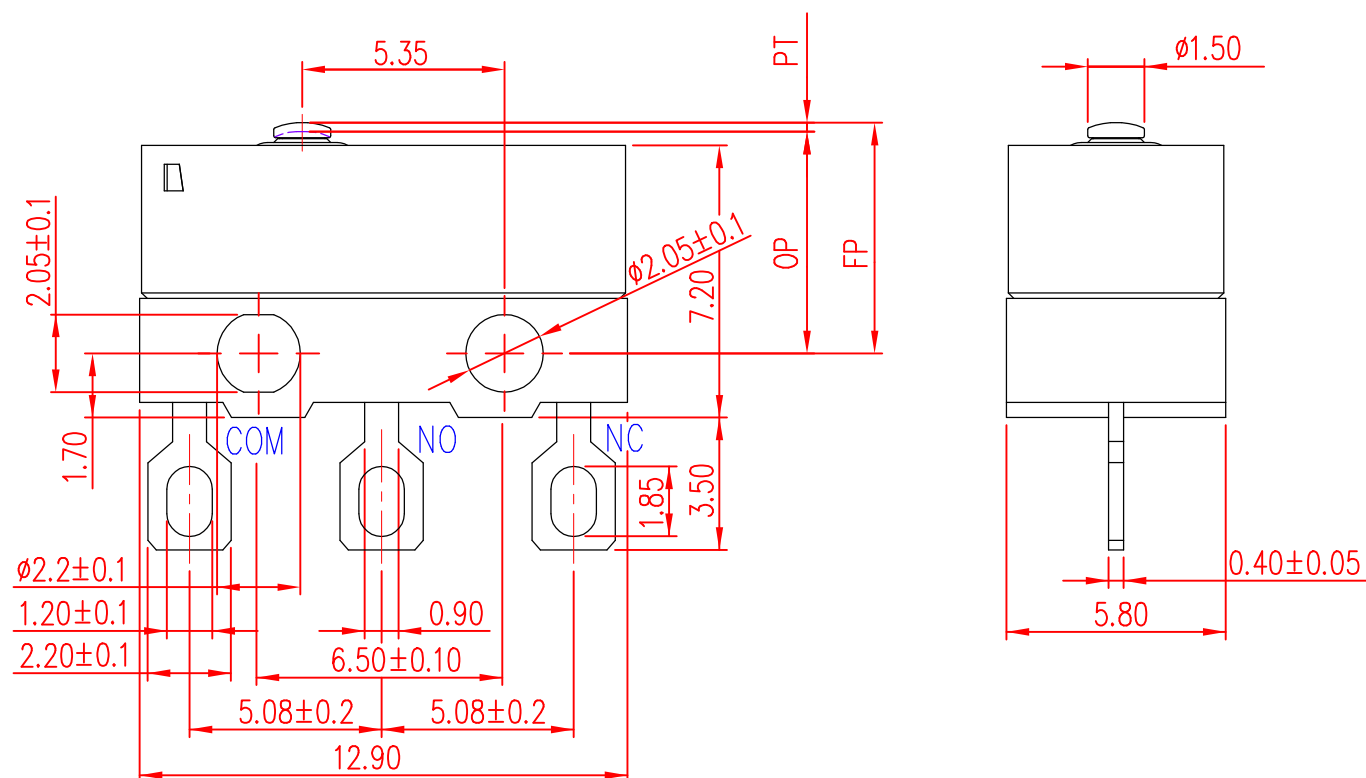
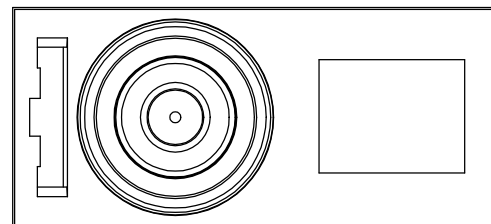
林佩貞

CHECKED

王永輝

APPROVED

## Dimensions drawing

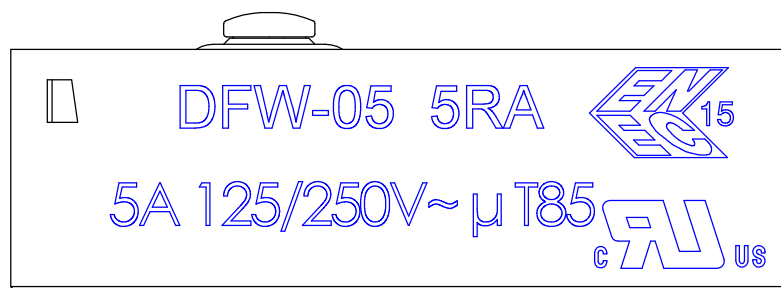
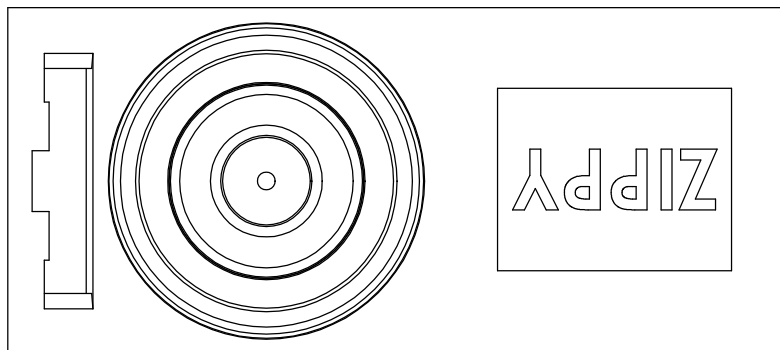


| Tolerance |   |     |
|-----------|---|-----|
| X. X      | ± | 0.2 |
| XX. X     | ± | 0.4 |

|          |                                                                                       |         |     |           |            |
|----------|---------------------------------------------------------------------------------------|---------|-----|-----------|------------|
| VIEW     |  | SIZE    | A4  | UNIT      | mm         |
| DATE     | 2022.02.10                                                                            | VER.    | 1.1 | FILE NAME | DFW-A00E0E |
| APPROVAL | 倪有庭                                                                                   | CONFIRM | 王永輝 | DESIGN    | 林佩貞        |

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

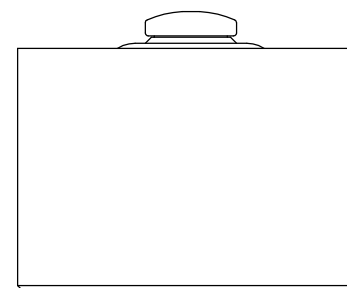
Marking will be randomly on side A or side B

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

A



B