



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: 1001570013(DFW-05L-B00D0E-EA001-Z)

ISSUED DATE: 2023.10.04

APPROVED NO.: 1001570013.F

PAGE: 1/4

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

1.Operation Characteristics

Operating Force (OF)	:	Max.100 gf
Releasing Force (RF)	:	Min. 21 gf
Free Position (FP)	:	Max. 6.4 mm
Operating Position (OP)	:	5.90 ± 0.2 mm
Movement Differential (MD)	:	Max. 0.12 mm
Over-travel (OT)	:	Min. 0.2 mm
Pre-travel (PT)	:	Max. 0.50 mm

2. Specifications

Initial Contact Resistance	:	Max. 100 mΩ . 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	:	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.

International Protection Code : IP67



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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/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 : 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

ZIPPY TECHNOLOGY CORP.

簡素玲

PREPARED

林佩貞

CHECKED

王永輝

APPROVED

Technical drawing of the front view of a 3-pin connector. The drawing shows a rectangular body with a mounting tab on the left and three pins extending from the bottom. Dimensions are given in millimeters.

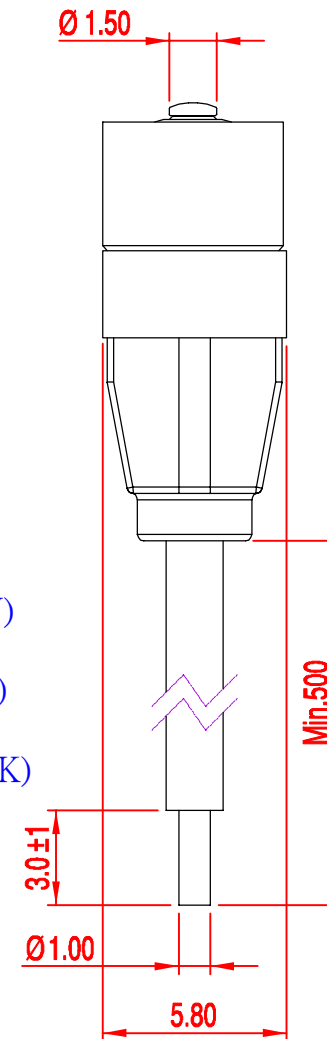
Dimensions:

- Overall width: 12.80
- Overall height: 11.70
- Mounting tab width: 4.25
- Distance between pin centers: 6.50 ± 0.1
- Pin diameter: $\varnothing 2.2 \pm 0.1$
- Distance from top edge to pin center: 2.05 ± 0.1
- Distance from top edge to top of pin housing: OP
- Distance from top edge to top of mounting tab: PT
- Diagonal dimension: $\varnothing 2.05 \pm 0.1$

Pin labels (from left to right):

- NC:U
- OR E
- NO:U
- OR E
- COM:
- OR E

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

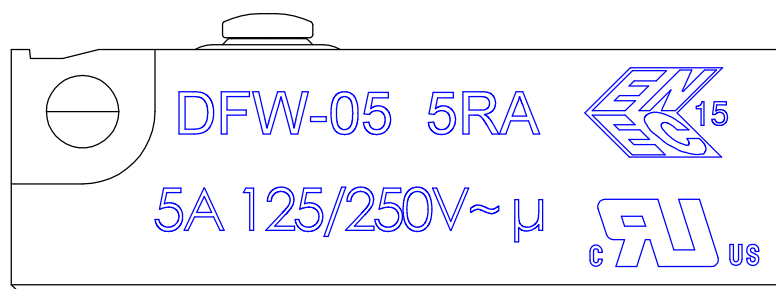
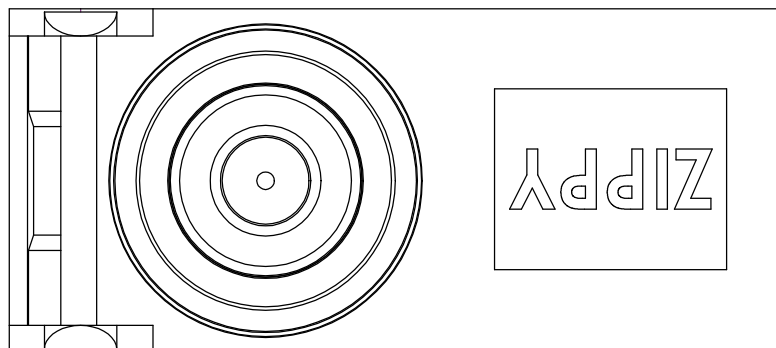


Tolerance	
X. X	$\pm$ 0.2
XX. X	$\pm$ 0.4
UNIT	mm
FILE NAME	DFW-B00D0E-EA001
DESIGN	倪有庭

△	DATE	APPROVAL	DESIGN	ENGINEERING CHANGE DESCRIPTION
新巨企業股份有限公司				ZIPPY TECHNOLOGY CORP.

VIEW		SIZE	A4	UNIT	mm
DATE	NOV-16-2012	VER.	1.0	FILE NAME	DFW-800D0E-EA001
APPROVAL	李金龍	CONFIRM	張哲維	DESIGN	倪有庭

Marking drawing



This page shows switch marking only.

此頁僅顯示開關印字，外觀參照外觀圖

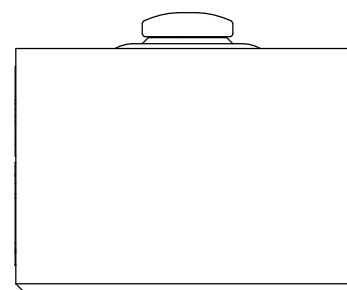
Marking will be randomly on side A or side B

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

VIEW		SIZE	A4	UNIT	mm
DATE	2020.11.10	VER.	1.5	FILE NAME	DFW-05-u
APPROVAL	倪有庭	CONFIRM	王永輝	DESIGN	林佩貞