



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: 1001530289(DF3-03L0-01E0B0-Z)

ISSUED DATE: DEC.19.2017
APPROVED NO.: 1001530289.A
PAGE: 1/4

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

1.Operation Characteristics

- Operating Force (OF) : Max. 30 gf
- Releasing Force (RF) : Min. 5 gf
- Free Position (FP) : Max. 10.1 mm
- Operating Position (OP) : 8.2±0.8 mm
- Movement Differential (MD) : Max. 0.8 mm
- Over-travel (OT) : Min. 0.6 mm
- Pre-travel (PT) : Max. 3.4 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 : 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 : 3A 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. 5,000,000 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.



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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)

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黃玉燕

PREPARED

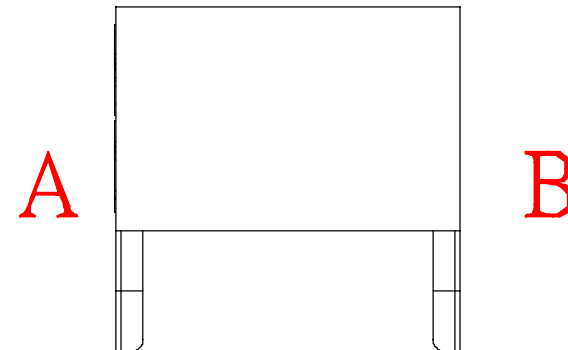
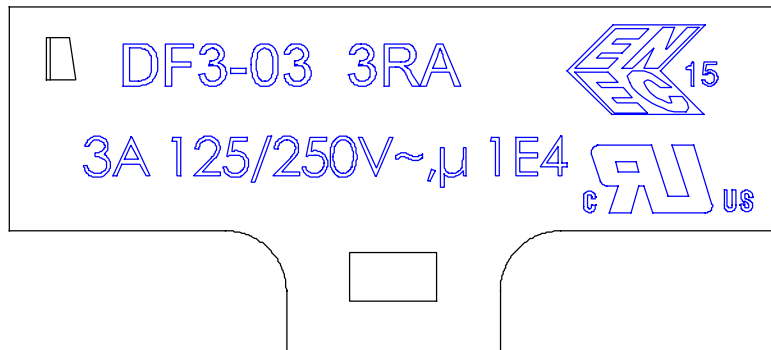
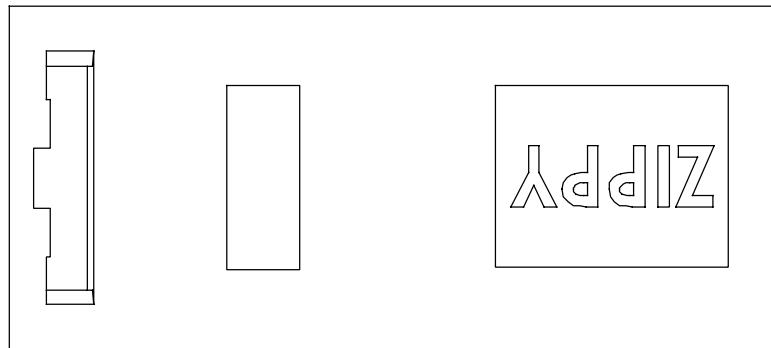
林佩貞

CHECKED

倪有庭

APPROVED

Marking drawing



Marking will be random on side A or side B
 Markings are either by printing or molding

VIEW		SIZE	A4	UNIT	mm
DATE	DEC-10-2014	VER.	1.5	FILE NAME	DF3-03
APPROVAL	倪有庭	CONFIRM	王永輝	DESIGN	李東軒