



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: 1000810488(V3-25L-00C3-Z)

ISSUED DATE: 2023.08.16

APPROVED NO.: 1000810488.E

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

1.Operation Characteristics

Operating Force (OF)	:	Max. 150 gf
Releasing Force (RF)	:	Min. 27 gf
Free Position (FP)	:	Max. 17.1 mm
Operating Position (OP)	:	14.7 ± 0.5 mm
Movement Differential (MD)	:	Max. 0.12 mm
Over-travel (OT)	:	Min. 1.3 mm
Pre-travel (PT)	:	Max. 1.3 mm

2. Specifications

Initial Contact Resistance	:	Max. 30 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	:	1,500VAC(50-60HZ)/minute between contacts. 1,500VAC(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 – Micro disconnection)
Rating	:	25 A 125/250VAC; 1HP 125/250VAC; 10.1(8)A 125/250VAC
Service Life	:	Min. 10,000 operations.
Rating Load	:	Resistive Load and Motor 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 ~ 125°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 : 350 °C maximum within 5 seconds.



4. Caution:

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

ZIPPY TECHNOLOGY CORP.

陳立業

PREPARED

許志誠

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沈俊榮

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Dimensions drawing

Technical drawing of a ZIPPY connector showing front and side views with dimensions.

Front View Dimensions:

- Overall width: 27.8
- Overall height: 10.3 ± 0.15
- Top flange width: 22.2 ± 0.15
- Top flange thickness: 2.8
- Top flange hole diameter: $\phi 3.2 \pm 0.1$
- Top flange hole position: 20.2
- Top flange hole diameter: 0.8 ± 0.05
- Top flange hole position: 3.2 ± 0.1
- Top flange hole position: 3.4 ± 0.1
- Top flange hole position: 11.3
- Top flange hole position: 1.0
- Top flange hole position: 10.0
- Top flange hole position: 6.1 ± 0.4
- Top flange hole position: 5.1 ± 0.4
- Top flange hole position: 3.3
- Top flange hole position: 0.8 ± 0.05
- Top flange hole position: 2.8
- Top flange hole position: 2.8 ± 0.1
- Top flange hole position: 10.3 ± 0.15
- Top flange hole position: 2.8
- Top flange hole position: PT
- Top flange hole position: OP
- Top flange hole position: NO
- Top flange hole position: NC
- Top flange hole position: COM

Side View Dimensions:

- Overall width: 10.3
- Overall height: 15.9
- Top flange width: 4.0
- Top flange thickness: 6.3 ± 0.1
- Top flange hole diameter: $3\text{-}\#250$ terminal

Tolerance	
X.X	± 0.2
XX.X	± 0.4

VIEW		SIZE	A4	UNIT	mm
DATE	2019.09.17	VER.	1.4	FILE NAME	V3-00C3
APPROVAL	沈俊榮	CONFIRM	許志誠	DESIGN	陳立業

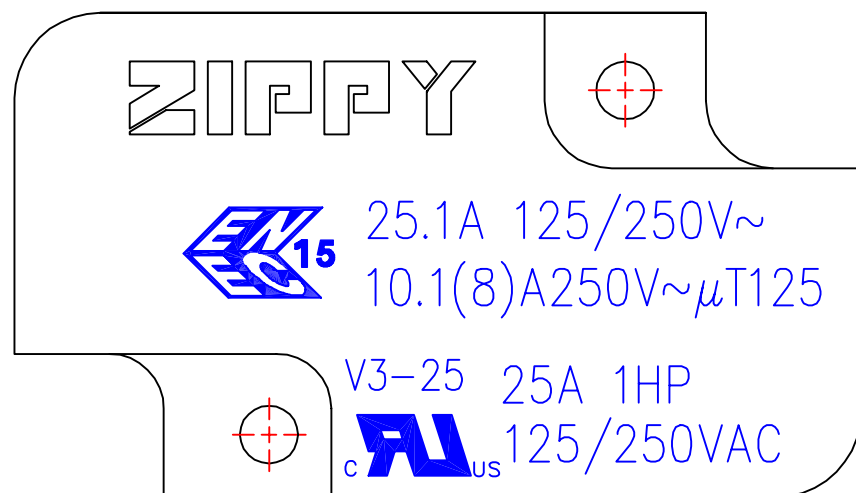
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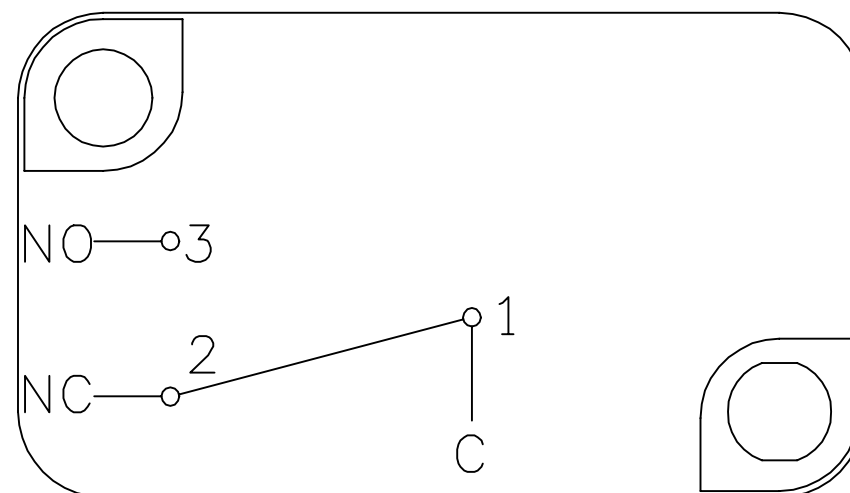
Tolerance	
X.X	± 0.2
XX.X	± 0.4

VIEW		SIZE	A4	UNIT	mm
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Marking drawing



COVER



CASE

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