



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: 1001560452(VA2-03D1-03C0-Z)

ISSUED DATE: MAY 07.2014

APPROVED NO.: 1001560452.A

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

### 1.Operation Characteristics

|                            |   |             |
|----------------------------|---|-------------|
| Operating Force (OF)       | : | Max. 13 gf  |
| Operating Position (OP)    | : | 15.3±2.5 mm |
| Movement Differential (MD) | : | Max.2.1 mm  |
| Pre-travel (PT)            | : | Max.9.3 mm  |

### 2. Specifications

|                             |   |                                                                                                                                                                                                                              |
|-----------------------------|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Initial Contact Resistance  | : | Max. 100 mΩ. (Initial) (For molded lead wire models)<br>( Measured by ohm meter –Open Voltage<1VDC, Driver current -100mA )<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>1,500VAC(50-60HZ)/minute between Live-parts and dead metal parts.                                                                                                                |
| Insulation Resistance       | : | Min. 100 MΩ( 500 VDC/ minute ).                                                                                                                                                                                              |
| Circuit Arrangement         | : | SPDT ( Single pole double throw )                                                                                                                                                                                            |
| Rating                      | : | 3A 125/250VAC                                                                                                                                                                                                                |
| Service Life                | : | Min. 10,000 operations.                                                                                                                                                                                                      |
| Operating Frequency         | : | 10~30 operations per minute.                                                                                                                                                                                                 |
| Safety Certificate          | : | UL, cUL, ENEC15                                                                                                                                                                                                              |
| Mechanical Service Life     | : | Min. 1,000,000 operations.                                                                                                                                                                                                   |
| Operating Frequency         | : | Max. 120 operations per minute.                                                                                                                                                                                              |



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### 3. Environments

|                       |   |                                                                                                                 |
|-----------------------|---|-----------------------------------------------------------------------------------------------------------------|
| Operating Temperature | : | -40°C ~ 85°C ( with no icing )                                                                                  |
| Vibration Resistance  | : | 10~55Hz, displacement 0.75mm(p-p) 2hr                                                                           |
| Shock Resistance      | : | Destruction: 1,000 m/s <sup>2</sup> {approx. 100G} max.<br>Malfunction: 300 m/s <sup>2</sup> {approx. 30G} max. |
| Soldering by hand     | : | 350 °C maximum within 3 seconds.                                                                                |

ZIPPY TECHNOLOGY CORP.

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PREPARED

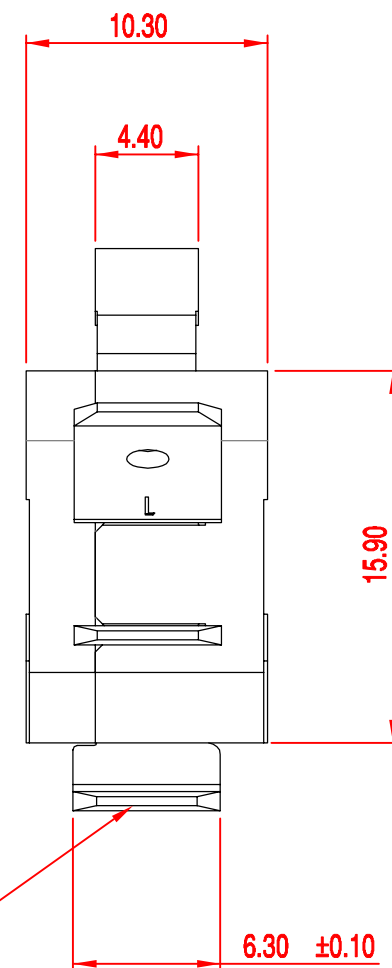
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CHECKED

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APPROVED

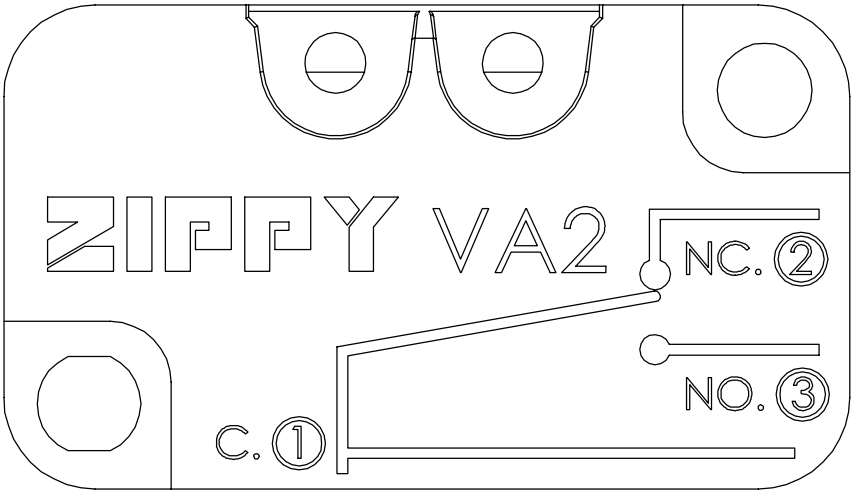
Technical drawing of a 3-pin DIN connector. The drawing shows the side profile of the connector with various dimensions and labels. Key dimensions include a total width of 27.80, a mounting hole diameter of  $\varnothing 3.40 \pm 0.10$ , and a pin diameter of  $\varnothing 3.10 \pm 0.10$ . The pins are labeled COM, NC, and NO. The drawing also indicates a 3-#250 termination point.



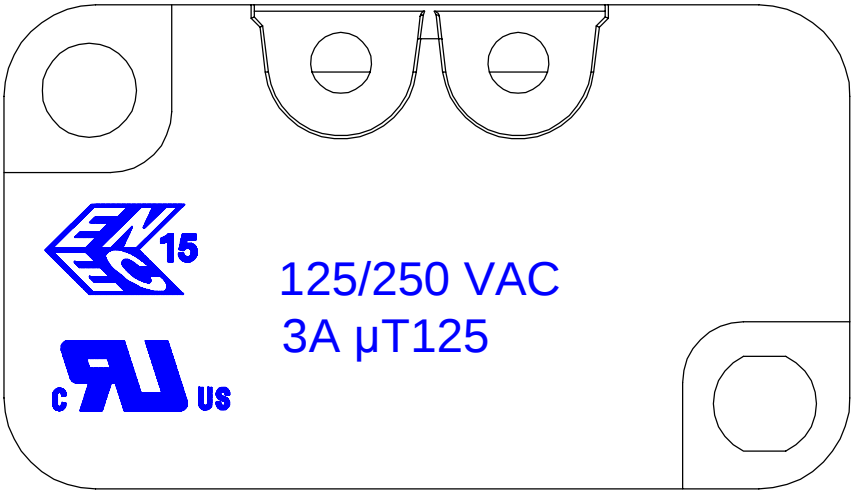
| Tolerance |       |     |
|-----------|-------|-----|
| X. X      | $\pm$ | 0.2 |
| XX. X     | $\pm$ | 0.4 |

|          |                                                                                       |         |     |           |           |
|----------|---------------------------------------------------------------------------------------|---------|-----|-----------|-----------|
| VIEW     |  | SIZE    | A4  | UNIT      | mm        |
| DATE     | MAY-17-2013                                                                           | VER.    | 1.0 | FILE NAME | VA2-103C0 |
| APPROVAL | 李金龍                                                                                   | CONFIRM | 張哲維 | DESIGN    | 沈俊榮       |

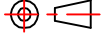
Marking drawing



COVER



CASE

|          |                                                                                       |         |     |           |        |
|----------|---------------------------------------------------------------------------------------|---------|-----|-----------|--------|
| VIEW     |  | SIZE    | A4  | UNIT      | mm     |
| DATE     | MAR-24-2014                                                                           | VER.    | 1.0 | FILE NAME | VA2-03 |
| APPROVAL | 倪有庭                                                                                   | CONFIRM | 林格祥 | DESIGN    | 沈俊榮    |