



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: 1001121024(SM1-N6L-05A0-Z)

ISSUED DATE: JUN.05.2014

APPROVED NO.: 1001121024.B

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

### 1.Operation Characteristics

|                            |   |               |
|----------------------------|---|---------------|
| Operating Force (OF)       | : | Max. 28 gf    |
| Releasing Force (RF)       | : | Min. 1 gf     |
| Free Position ( FP )       | : | Max. 20.50 mm |
| Operating Position (OP)    | : | 17.5 ± 0.8 mm |
| Movement Differential (MD) | : | Max. 0.8 mm   |
| Over-travel (OT)           | : | Min. 0.6 mm   |
| Pre-travel (PT)            | : | Max. 3.80 mm  |

### 2. Specifications

|                             |   |                                                                                                                                                                                       |
|-----------------------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Initial Contact Resistance  | : | Max. 300 mΩ .<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 ) between Live-parts and dead metal parts.                                                                                                              |
| Circuit Arrangement         | : | SPDT ( Single pole double throw )                                                                                                                                                     |
| Rating                      | : | 6A 125/250VAC; 5A 30VDC                                                                                                                                                               |
| Service Life                | : | Min. 10,000 operations.                                                                                                                                                               |
| Rating Load                 | : | Resistive Load.                                                                                                                                                                       |
| Operating Frequency         | : | 10~30 operations per minute.                                                                                                                                                          |
| Safety Certificate          | : | UL, cUL, ENEC15                                                                                                                                                                       |
| Mechanical Service Life     | : | Press the Switch to operation position - Min. 5,000,000 operations.                                                                                                                   |
| Operating Frequency         | : | Max. 120 operations per minute.                                                                                                                                                       |



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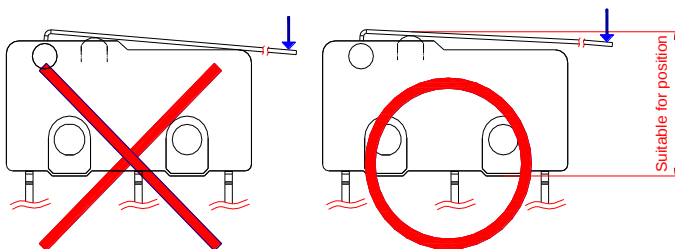
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### 3. Environments

|                       |   |                                                                                                                 |
|-----------------------|---|-----------------------------------------------------------------------------------------------------------------|
| Operating Temperature | : | -40°C ~ 125°C ( with no icing )                                                                                 |
| Vibration Resistance  | : | 10~55Hz, displacement 0.75mm(p-p)                                                                               |
| Shock Resistance      | : | Destruction: 1,000 m/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 5 seconds.                                                                                 |
| Soldering bath        | : | 260°C maximum within 5 seconds.                                                                                 |



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PREPARED

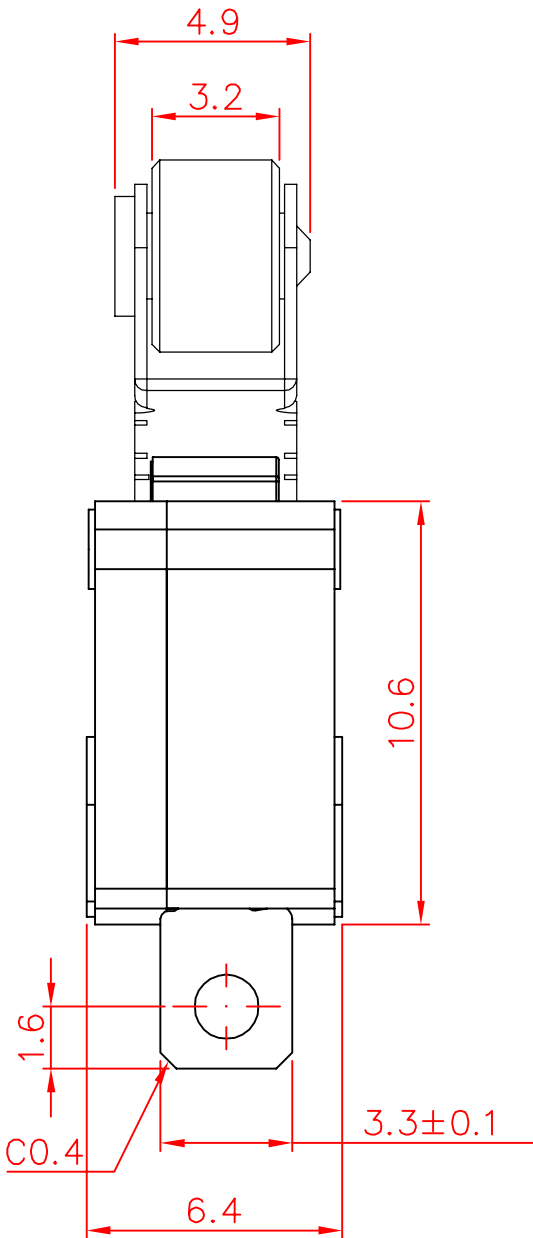
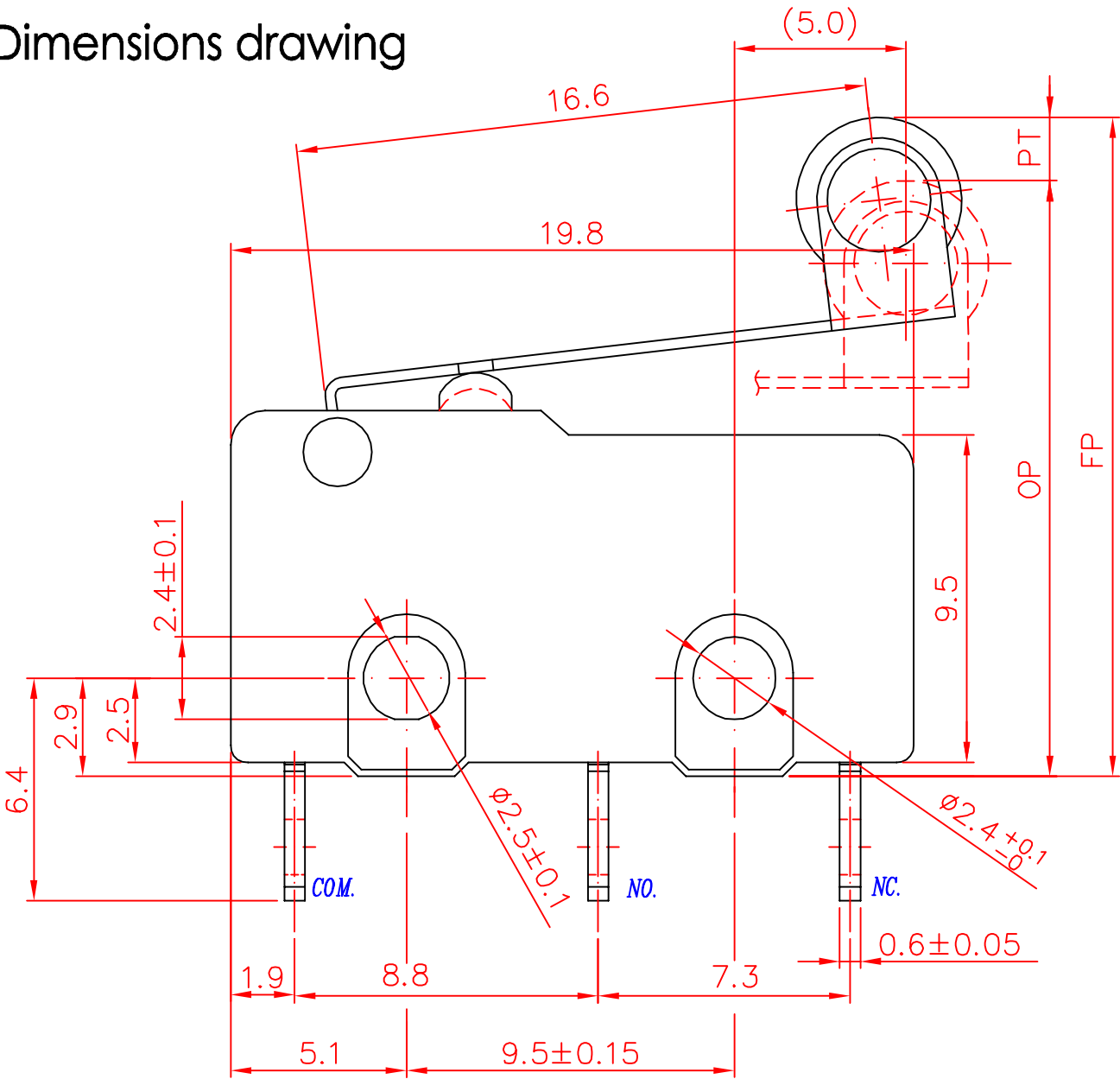
林佩貞

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APPROVED

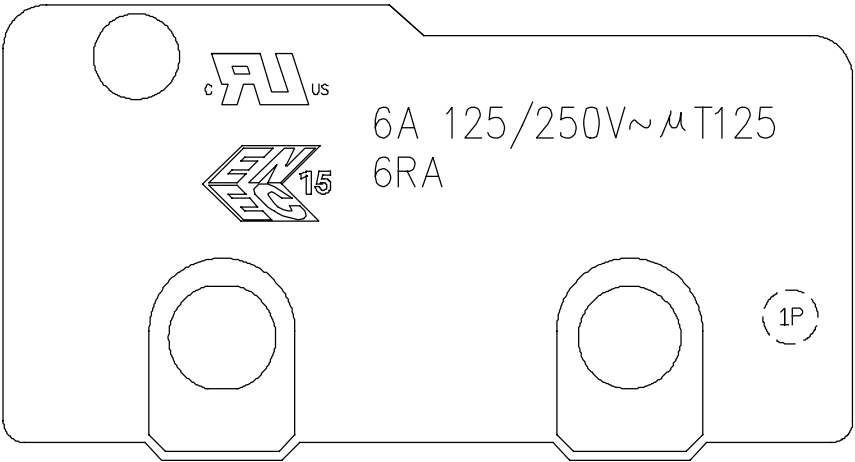
Dimensions drawing



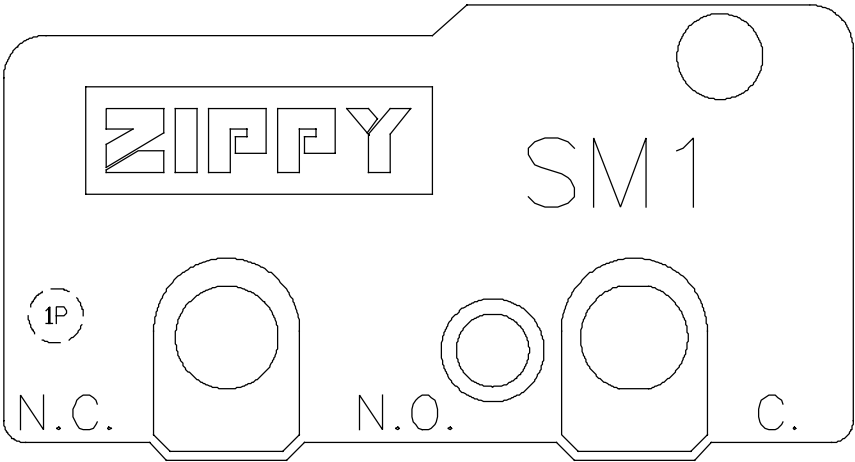
| Tolerance |       |
|-----------|-------|
| X.X       | ± 0.2 |
| XX.X      | ± 0.4 |

|          |             |         |     |           |          |
|----------|-------------|---------|-----|-----------|----------|
| VIEW     |             | SIZE    | A4  | UNIT      | mm       |
| DATE     | Dec.16.2011 | VER     | 1.2 | FILE NAME | SM1-05A0 |
| APPROVAL | 李金龍         | CONFIRM | 張哲維 | DESIGN    | 廖剛緯      |

Marking drawing



COVER



CASE

Markings are either by printing or molding