



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

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**Model: 1000810480(V3-10H-00D5-Z)**  
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ISSUED DATE: DEC.03.2015  
APPROVED NO.: 1000810480.B  
PAGE: 1/4

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

#### 1.Operation Characteristics

Operating Force (OF) : Max. 505 gf  
Releasing Force (RF) : Min. 149 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 : 1,000VAC(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 : SPST (Single pole single throw – Micro disconnection)  
Rating : 10.1A 125/250VAC; 1/2HP 125/250VAC; 10(4)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/s<sup>2</sup> {approx. 100G} max.  
Malfunction: 300 m/s<sup>2</sup> {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.

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陳立業  
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PREPARED

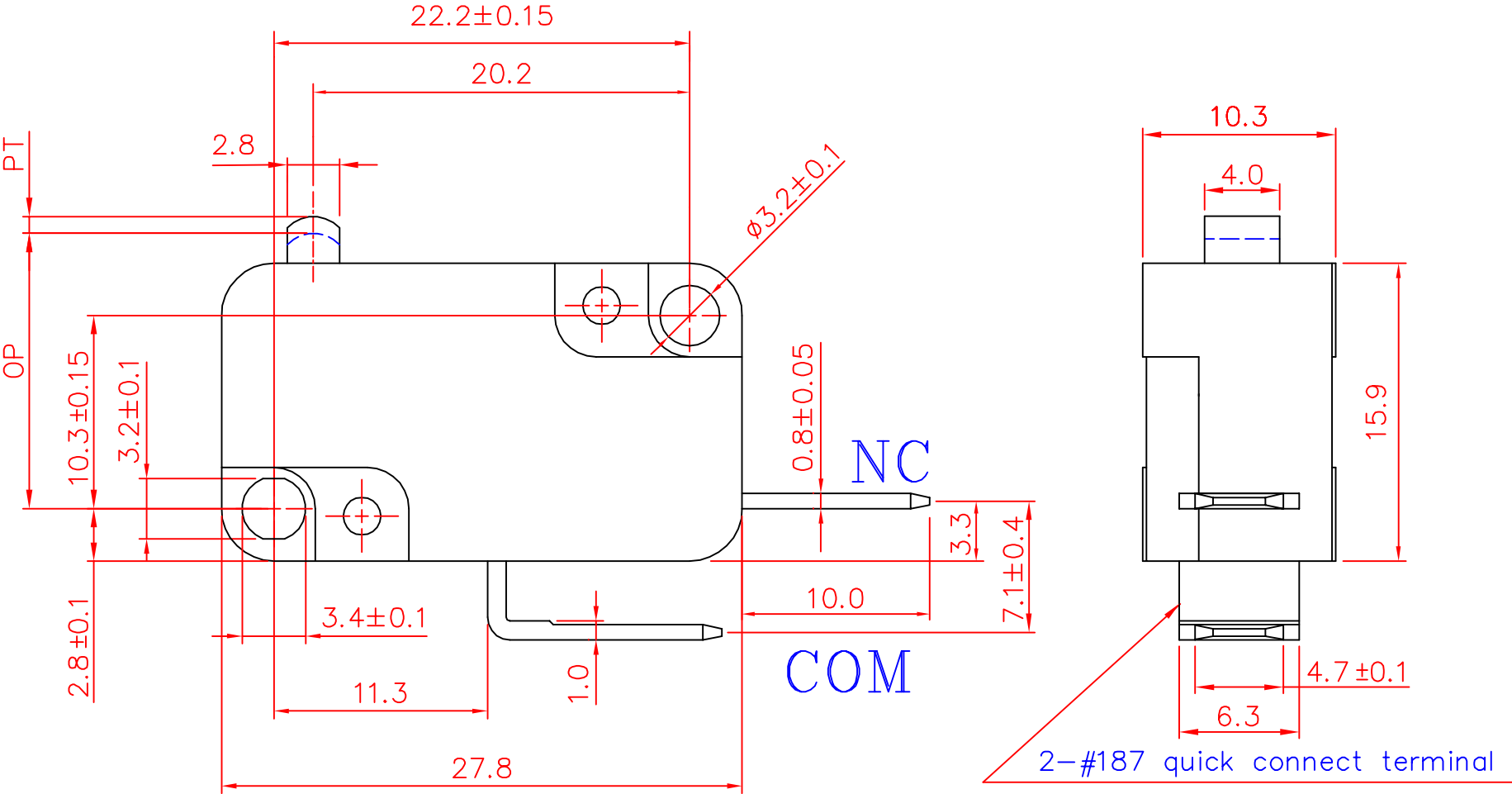
張立人  
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CHECKED

沈俊榮  
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APPROVED

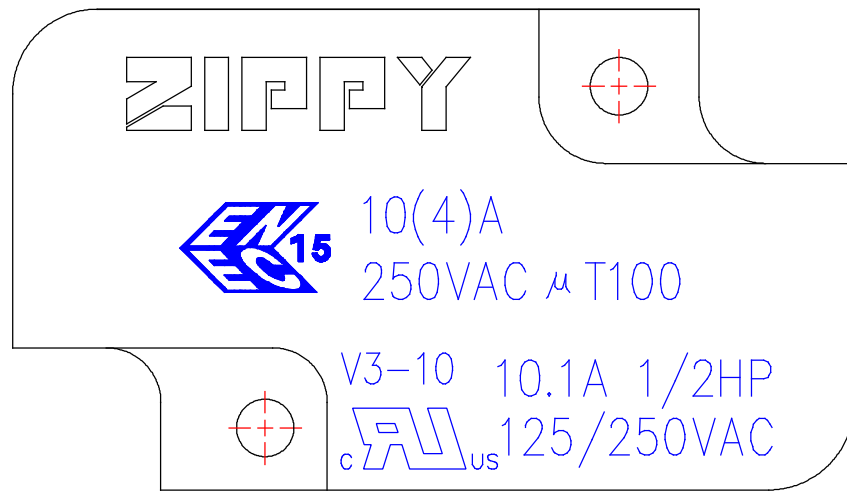
# Dimensions drawing



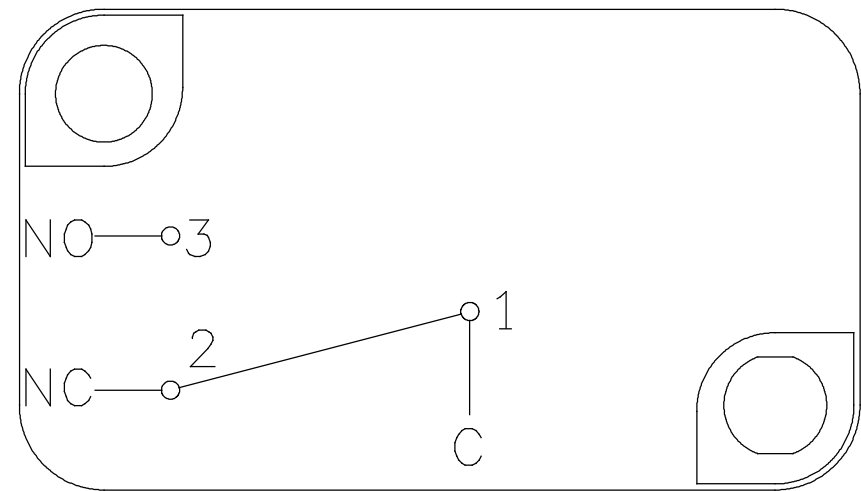
| Tolerance |      |
|-----------|------|
| X.X       | ±0.2 |
| XX.X      | ±0.4 |

|          |             |         |     |           |         |
|----------|-------------|---------|-----|-----------|---------|
| VIEW     |             | SIZE    | A4  | UNIT      | mm      |
| DATE     | FEB.16.2012 | VER.    | 1.5 | FILE NAME | V3-00D5 |
| APPROVAL | 李金龍         | CONFIRM | 倪有庭 | DESIGN    | 林佩貞     |

# Marking drawing



COVER



CASE

**Markings are either by printing or molding.**  
**Appearance according to dimensions drawing.**

|            |                               |          |             |         |     |           |          |
|------------|-------------------------------|----------|-------------|---------|-----|-----------|----------|
| 新巨企業股份有限公司 | <b>ZIPPY</b> TECHNOLOGY CORP. | VIEW     |             | SIZE    | A4  | UNIT      | mm       |
|            |                               | DATE     | SEP.22,2015 | VER.    | 1.4 | FILE NAME | V3-10-02 |
|            |                               | APPROVAL | 沈俊榮         | CONFIRM | 張立人 | DESIGN    | 陳立業      |