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

# APPROVED DATA SHEET

## Model: 1000840567(VM-P1S-03D1-Z)

ISSUED DATE: 2023.07.24
APPROVED NO.: 1000840567.E


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

## 1.Operation Characteristics

| | | |
|---|---|---|
| Operating Force (OF) | : | Max. 60 gf |
| Releasing Force (RF) | : | Min. 14 gf |
| Operating Position (OP) | : | 15.3±2.5 mm |
| Movement Differential (MD) | : | Max. 2.2 mm |
| Over-travel (OT) | : | Min. 3.0 mm |
| Pre-travel (PT) | : | Max. 7.6 mm |

## 2. Specifications

| | | |
|---|---|---|
| Initial Contact Resistance | : | Max. 100 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 | : | 1,000VAC(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 | : | SPST ( Single pole single throw ) |
| Rating | : | 0.1A 125/250VAC |
| Service Life | : | Min. 1,000,000 operations. |
| Rating Load | : | Resistive Load. |
| Operating Frequency | : | 120 operations per minute. |
| Mechanical Service Life | : | Min. 10,000,000 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.

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

# APPROVED DATA SHEET

## Model: 1000840567(VM-P1S-03D1-Z)

ISSUED DATE: 2023.07.24
APPROVED NO.: 1000840567.E


## 3. Environments

| | | |
|---|---|---|
| Operating Temperature | : | -40℃~85℃ ( with no icing ) |
| Vibration Resistance | : | 10~55Hz, displacement 0.75mm(p-p) |
| Shock Resistance | : | Destruction: 1,000 m/s$^2$ {approx. 100G} max.<br>Malfunction: 300 m/s$^2$ {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℃ maximum within 5 seconds. |

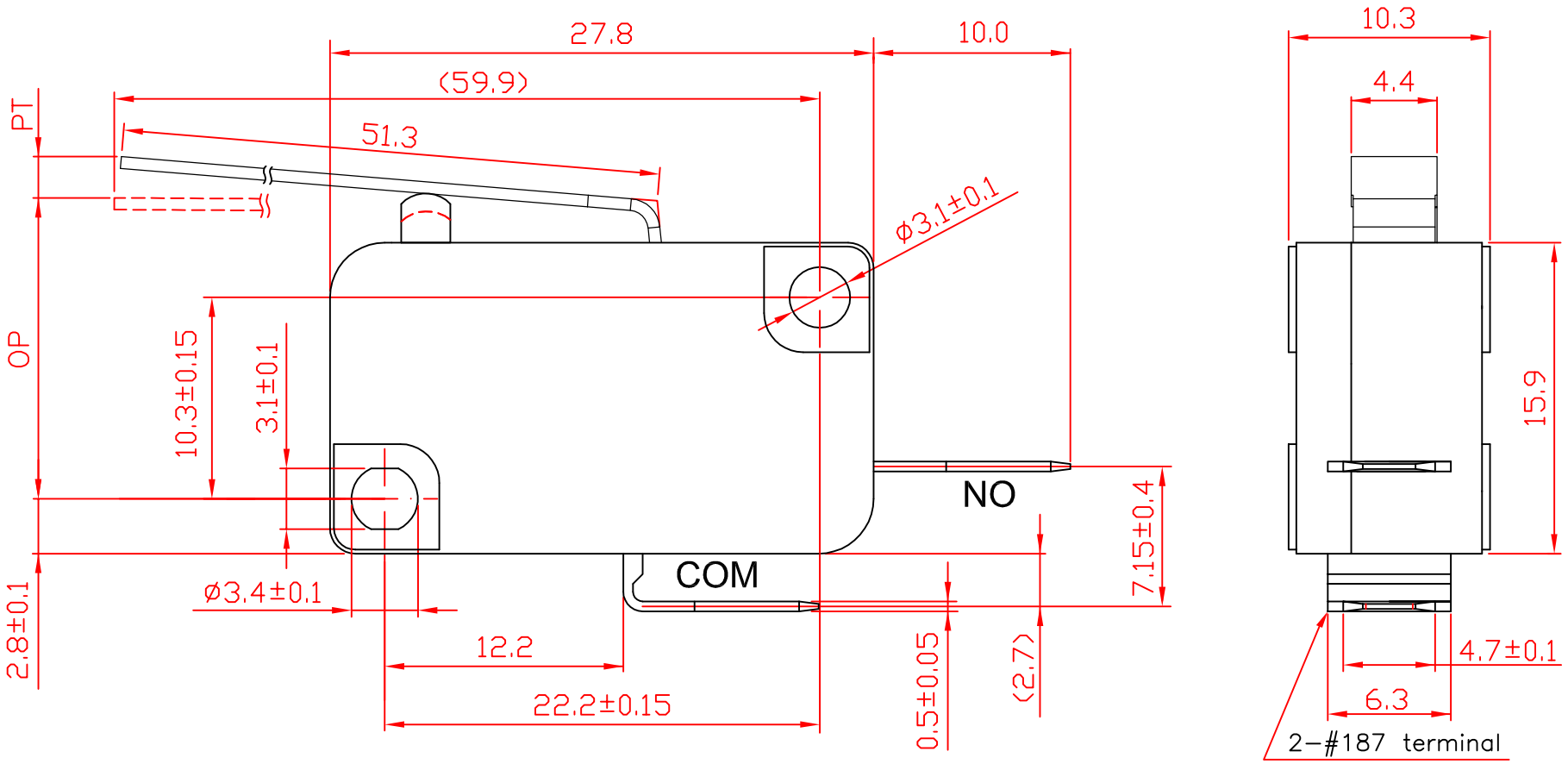
## 4. Caution:

Micro Switch Cautions

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

ZIPPY TECHNOLOGY CORP.
卓妍蓁
---
PREPARED
簡永鎮
---
CHECKED
沈俊榮
---
APPROVED

# Dimensions drawing

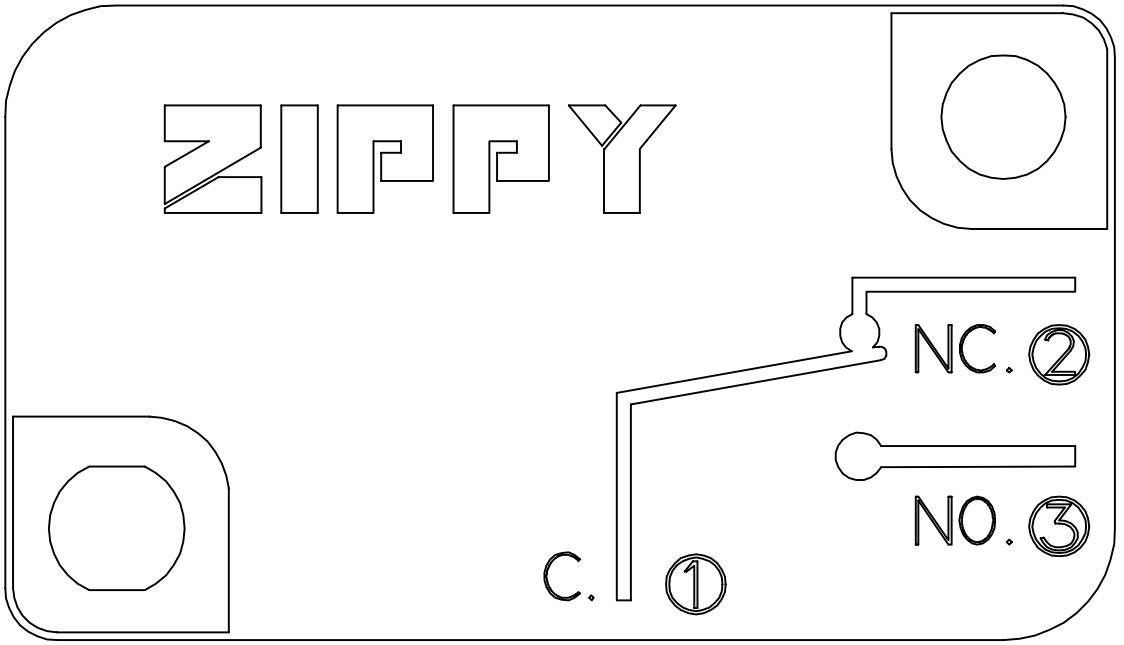



| Tolerance | |
|---|---|
| X.X | ±0.2 |
| XX.X | ±0.4 |

| | | | | | |
|---|---|---|---|---|---|
| VIEW | | SIZE | A4 | UNIT | mm |
| DATE | AUG.05.2013 | VER. | 1.2 | FILE NAME | VM-03D1-R |
| APPROVAL | 李金龍 | CONFIRM | 倪有庭 | DESIGN | 林格祥 |

新巨企業股份有限公司 ZIPPY TECHNOLOGY CORP.

# VM-P1




# COVER

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

| | | | | | |
|---|---|---|---|---|---|
| VIEW | | SIZE | A4 | UNIT | mm |
| DATE | 2020.11.11 | VER. | 1.4 | FILE NAME | VM-P1 |
| APPROVAL | 沈俊榮 | CONFIRM | 張奕銨 | DESIGN | 張立人 |

新巨企業股份有限公司

ZIPPY TECHNOLOGY CORP.