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: 1000840493(VM-P1R-05D0-Z)

ISSUED DATE: 2023.07.24
APPROVED NO.: 1000840493.F

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

1.Operation Characteristics

Operating Force (OF)	:	Max. 115 gf
Releasing Force (RF)	:	Min. 26 gf
Operating Position (OP)	:	20.7±1.1 mm
Movement Differential (MD)	:	Max. 0.7 mm
Over-travel (OT)	:	Min. 1.4 mm
Pre-travel (PT)	:	Max. 2.9 mm

2. Specifications

Initial Contact Resistance	:	Max. 100 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	:	SPDT (Single pole double 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.

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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. 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

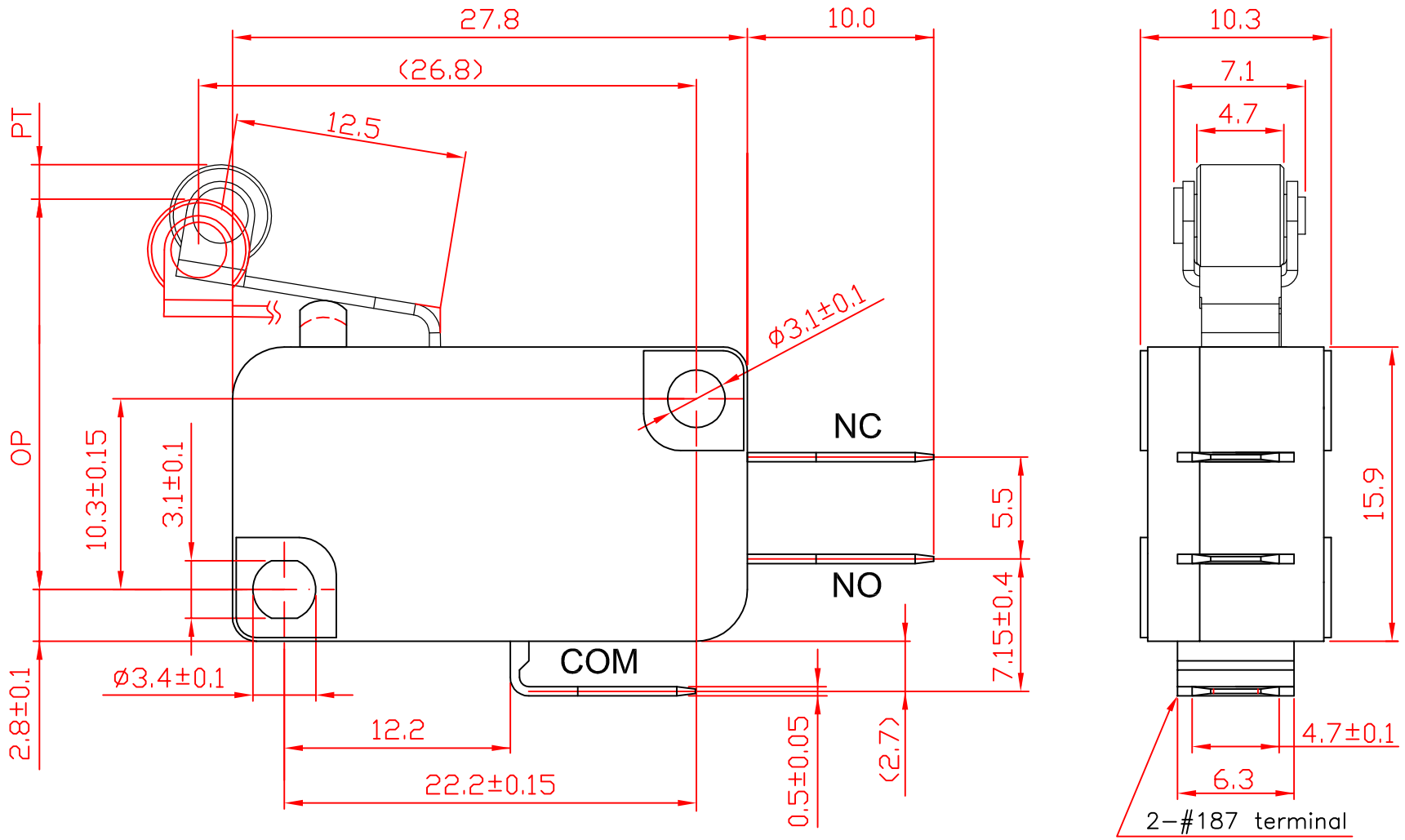
ZIPPY TECHNOLOGY CORP.
卓妍蓁

PREPARED
簡永鎮

CHECKED
沈俊榮

APPROVED

Dimensions drawing

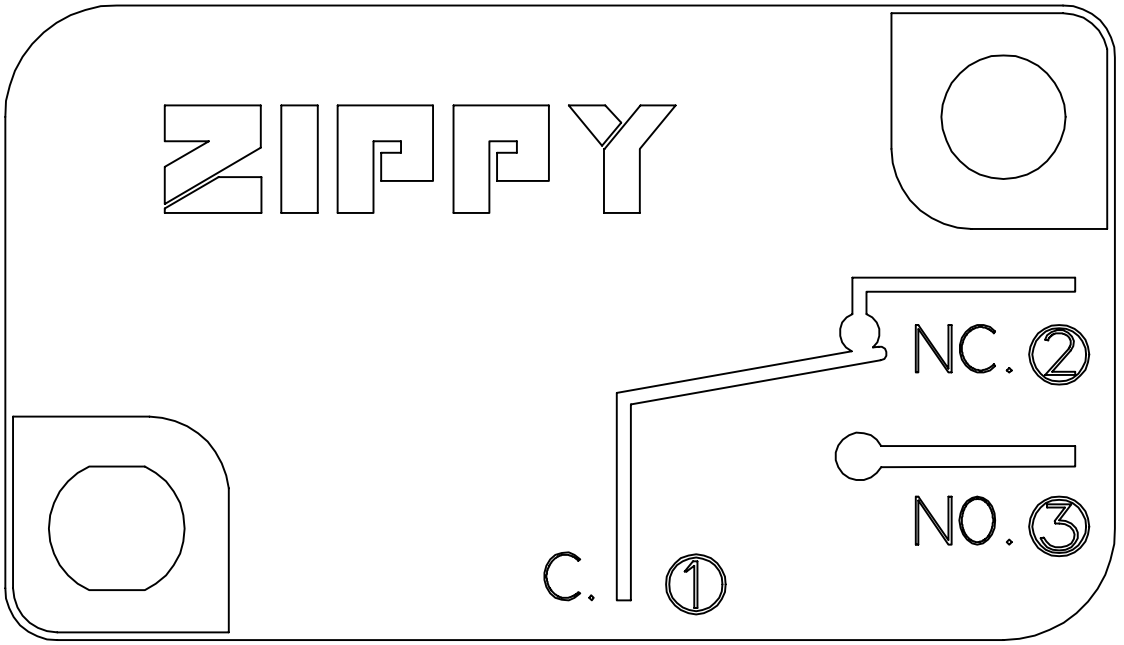


Tolerance	
X.X	±0.2
XX.X	±0.4

VIEW		SIZE	A4	UNIT	mm
DATE	AUG.06.2013	VER.	1.2	FILE NAME	VM-05D0-F
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.