



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: 1000620920(SM-05L-05A0-Z)

ISSUED DATE: AUG.30.2013

APPROVED NO.: 1000620920.D

PAGE: 1/4

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

1.Operation Characteristics

Operating Force (OF)	:	Max.25 gf
Releasing Force (RF)	:	Min. 6 gf
Free Position (FP)	:	Max.20.5 mm
Operating Position (OP)	:	17.5±0.8 mm
Movement Differential (MD)	:	Max.0.8 mm
Over-travel (OT)	:	Min. 0.8 mm
Pre-travel (PT)	:	Max.3.8 mm

2. Specifications

Initial Contact Resistance	:	Max.50 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. 1,250VAC(50-60HZ)/minute 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	:	5A 125/250VAC
Service Life	:	Min. 10,000 operations.
Rating Load	:	Resistive Load.
Operating Frequency	:	10~30 operations per minute.
Safety Certificate	:	UL, cUL
Mechanical Service Life	:	Min. 10,000,000 operations.
Operating Frequency	:	Max. 120 operations per minute.



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3. Environments

Operating Temperature	:	-40°C ~ 120°C (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.
Soldering by hand	:	350°C maximum within 5 seconds.
Soldering bath	:	260°C maximum within 5 seconds.

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卓妍蓁

PREPARED

方鼎杰

CHECKED

張哲維

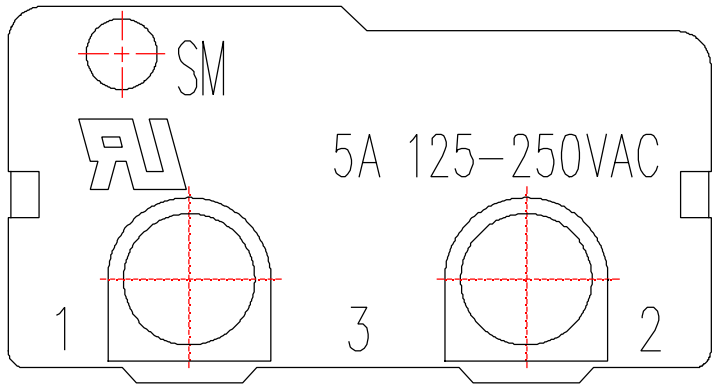
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新巨企業股份有限公司

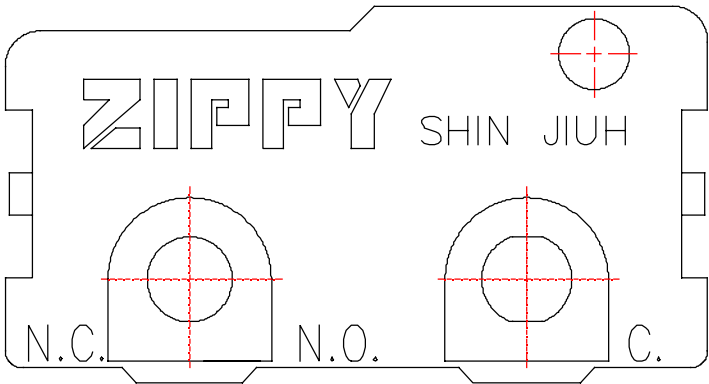


Tolerance	
X.X	± 0.2
XX.X	± 0.4

Marking drawing

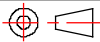


COVER



CASE

Markings are either by printing or molding

VIEW		SIZE	A4	UNIT	mm
DATE	JUL-15-2014	VER.	1.3	FILE NAME	SM-05
APPROVAL	沈俊榮	CONFIRM	許志誠	DESIGN	張奕鉸