



ZIPPY TECHNOLOGY CORP.



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APPROVED DATA SHEET

Model: 1001610388(SW2-06S1-05L0-EA001-Z)

ISSUED DATE: 2018/09/26
APPROVED NO. 1001610388.A
PAGE: 1/4

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

1.Operation Characteristics

Operating Force (OF)	:	Max. 72 gf
Releasing Force (RF)	:	Min. 15 gf
Free Position (FP)	:	Max. 17.7 mm
Operating Position (OP)	:	14.5±1.1 mm
Movement Differential (MD)	:	Max. 0.6 mm
Over-travel (OT)	:	Min. 0.6 mm
Pre-travel (PT)	:	Max. 4.3 mm

2. Specifications

Initial Contact Resistance	:	Max. 370mΩ. (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	:	500VAC(50-60HZ)/minute between contacts. 1,500VAC(50-60HZ)/minute between Live-parts and dead metal parts.
Insulation Resistance	:	Min. 100MΩ (500 VDC/ minute) between Live-parts and dead metal parts.
Circuit Arrangement	:	SPDT (Single pole double throw)
Rating	:	6A 125/250VAC 5A 30VDC (Resistive Load)
Service Life	:	Min. 10,000 operations.
Rating Load	:	Resistive (R) Load & Inductive (GP) Load.
Operating Frequency	:	10~30 operations per minute.
Safety Certificate	:	UL, cUL, ENEC
Mechanical Service Life	:	Press the switch to operation position - Min. 2,000,000 operations.
Operating Frequency	:	Max. 120 operations per minute.
International Protection Code	:	IP67



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3. Environments

Operating Temperature	:	-40°C ~ 85°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.

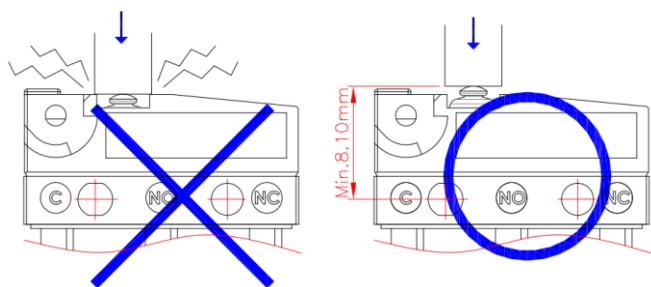
(For the pin plunger models, the vibration & shock condition apply for use at the free position and total travel position)

(For the lever models, the vibration & shock condition apply for use at the total travel position)

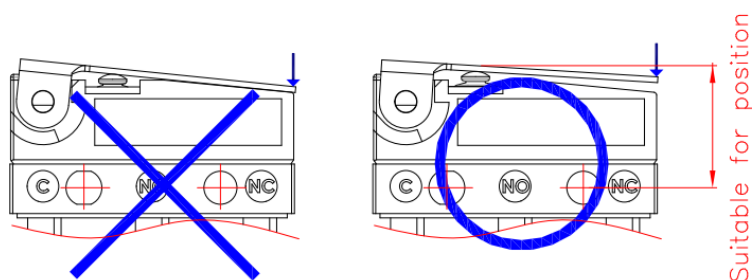
Soldering by hand : 350°C maximum within 5 seconds.

Note 1: Actuator Method: as following drawing position

Example 1 - Button type model



Example 2 - Lever type model



ZIPPY TECHNOLOGY CORP.

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PREPARED

陳立業

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* Above example drawing only show the actuator method define.

*The switch correct forms and dimensions must reference to below deminsion drawing.

NOTE: Wires should not be dragged.

Dimensions drawing

The drawing shows three views of a relay assembly:

- Front View:** Shows the main body with terminals labeled C, NO, and NC. Dimensions include overall width (21.30), terminal pitch (2.50 ± 0.10), and mounting hole positions.
- Top View:** Shows the top profile with dimensions for the coil area (6.70) and base width (6.40).
- Side View:** Shows the side profile with dimensions for the mounting bracket (17.20) and terminal height (PT, OP, FP).

Key dimensions and tolerances:

- Overall width: 21.30
- Terminal pitch: $\phi 2.50 \pm 0.10$
- Mounting hole diameter: $\phi 2.30 \pm 0.10$
- Coil area width: 6.70
- Base width: 6.40
- Terminal height: PT, OP, FP
- Mounting bracket length: 17.20
- Terminal pitch: 2.50 ± 0.10
- Terminal diameter: $\phi 1.80$, $\phi 1.00$
- Terminal length: 3.00 ± 1.00
- Minimum distance: Min. 300

Wire specifications:

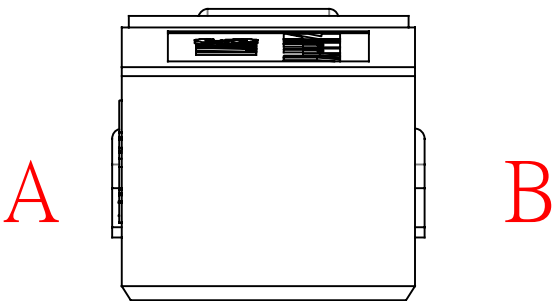
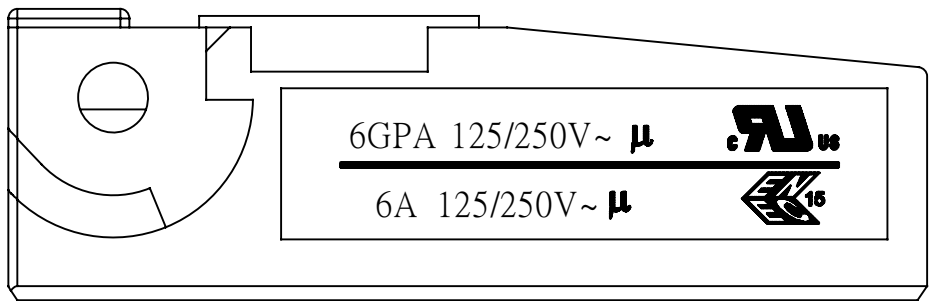
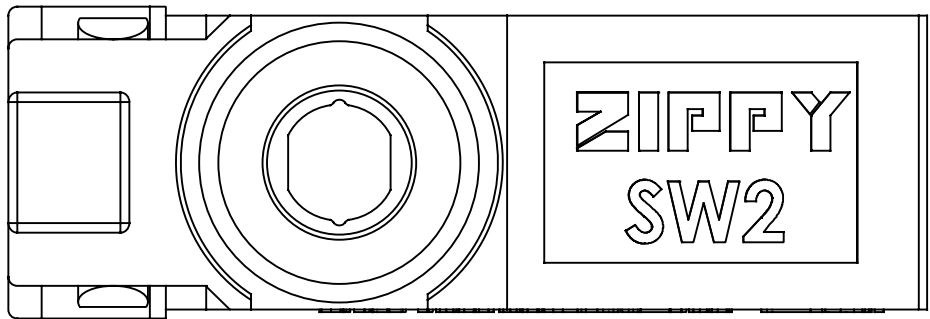
- NC: UL1007 20AWG GRAY OR EQUIVALENT
- NO: UL1007 20AWG BLUE OR EQUIVALENT
- COM: UL1007 20AWG BLACK OR EQUIVALENT

Tolerance		
X.X	±	0.2
XX.X	±	0.4

Tolerance		
X. X	±	0.2
XX. X	±	0.4

VIEW		SIZE	A4	UNIT	mm
DATE	2018/9/27	VER.	1.0	FILE NAME	SW2-05L0-EA00
APPROVAL	沈俊榮	CONFIRM	許志誠	DESIGN	陳立業

Marking drawing



Marking will be random on side A or side B
Markings are either by printing or molding
Appearance according to dimensions drawing.