



ZIPPY TECHNOLOGY CORP.



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[Http://www.zippy.com.tw](http://www.zippy.com.tw)

APPROVED DATA SHEET

Model: 1001610298(SW2-C1S1-05A0-Z)

ISSUED DATE: NOV.14.2017
APPROVED NO. 1001610298.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±1.1mm
- Movement Differential (MD) : Max. 0.6 mm
- Over-travel (OT) : Min. 0.6 mm

2. Specifications

- Initial Contact Resistance : Max. 300mΩ.
(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 : 0.1A 125/250VAC
- Service Life : Min. 10,000 operations.
- Rating Load : Resistive (R) 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.



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3. Environments

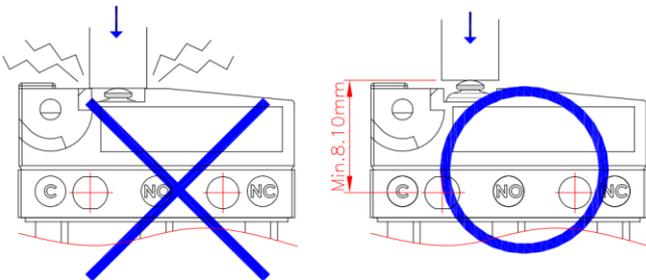
Operating Temperature	:	-40°C ~ 125°C (with no icing)
Vibration Resistance	:	10~55Hz, displacement 0.75mm(p-p)
Shock Resistance	:	Destruction: 1,000 m/s ² {approx. 100G} max. Malfunction: 300 m/s ² {approx. 30G} max.

(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)

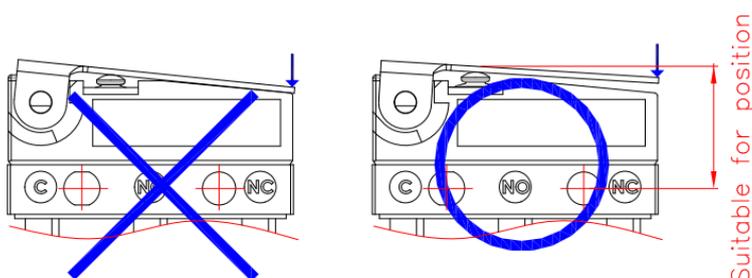
Soldering by hand	:	350°C maximum within 3 seconds (300°C maximum within 5 seconds).
Soldering bath	:	260°C maximum within 5 seconds.

Note 1: Actuator Method: as following drawing position

Example 1 - Button type model



Example 2 - Lever type model



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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.

