

ALPSALPINE**ALPSALPINE**

X CLOSE

Detector Switch > SPPB Series > SPPB530601

General-purpose Type SPPB Series

| [Dimensions](#) | [Land Dimensions](#) | [Circuit Diagram](#) | [Packing Specifications](#) |
 | [Soldering Conditions](#) |

Part number [Series Common Info](#)**SPPB530601**
 NET SHOP

 3D CAD

 RoHS

 Print

 Inquiry

Operating direction Vertical

Poles 1

Positions 1

Operation part shape Push

Terminal type For PC board (Reflow)

Operating force 0.35N max.

Packaging style Taping

Operating temperature range

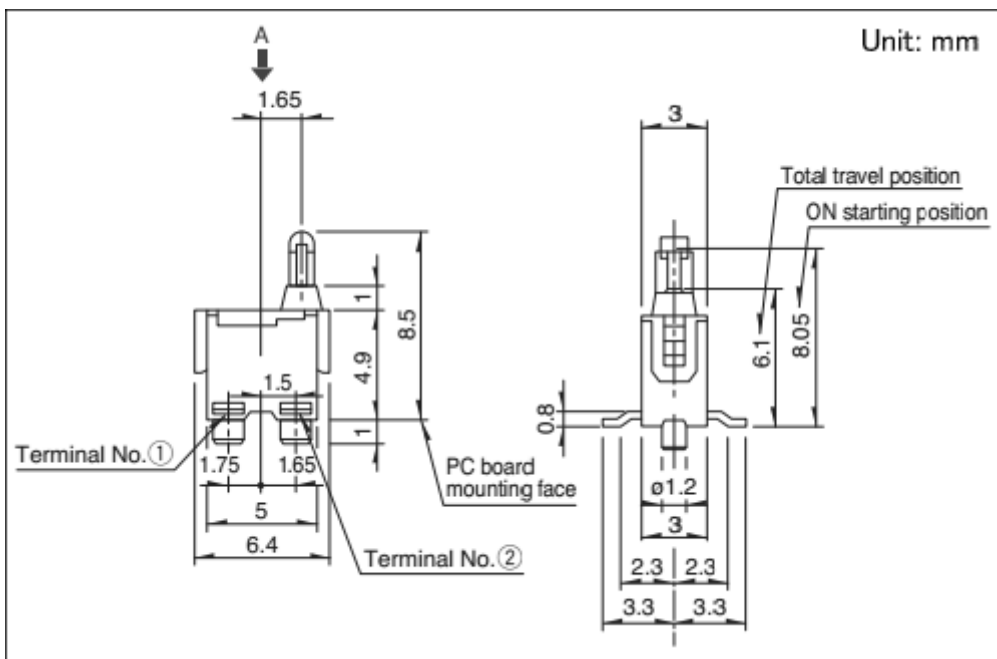
-40°C to +85°C

Rating (max.)/(min.) (Resistive load)

0.1A 30V DC/50 μ A
3V DC

Electrical performance	Contact resistance (Initial/After operating life)	1 Ω max./2 Ω max.
	Insulation resistance	100MΩ min. 100V DC
	Voltage proof	100V AC for 1 minute
Mechanical performance	Terminal strength	3N for 1 minute
	Actuator strength	10N
Durability	Operating life without load	50,000 cycles 2 Ω max.
	Operating life with load Rating (max.) (Resistive load)	50,000 cycles 2 Ω max.
	Cold	-40°C 500h
Environmental performance	Dry heat	85°C 500h
	Damp heat	60°C, 90 to 95%RH 500h
Minimum order unit (pcs.)	Japan 600 Export 2,400	

Dimensions



1 case / Japan 1,200

1 case / export
packing 2,400

Tape width (mm) 24

Export package measurements (mm) 406 × 406 × 160

Soldering Conditions

Example of Reflow Soldering Condition

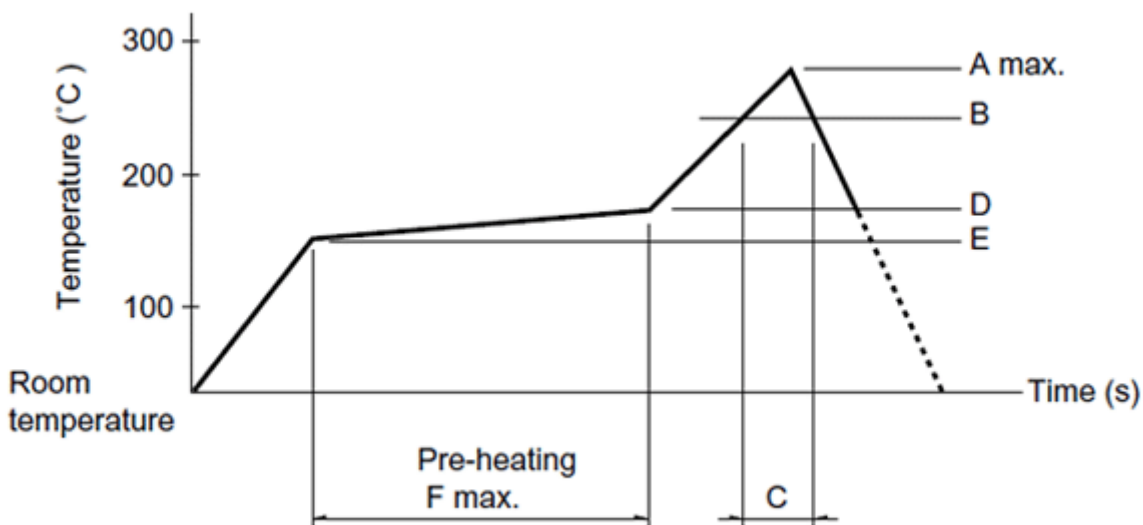
1. Heating method

Double heating method with infrared heater.

2. Temperature measurement

Thermocouple 0.1 to 0.2VCA (K) or CC (T) at soldering portion (copper foil surface) . A heat resisting tape should be used for fixed measurement.

3. Temperature profile



A(°C) B(°C) C(s) D(°C) E(°C) F(s)
3s max.
250 230 40 180 150 120

(1) The condition mentioned above is the temperature on the mounting surface of a PC board. There are cases where the PC board's temperature greatly differs from that of the switch, surface depending on the PC board's material, size, thickness, etc. The above-stated conditions shall also apply to switch surface temperatures.

(2) Soldering conditions differ depending on reflow soldering machines. Prior verification of soldering condition is highly recommended.

Reference for Hand Soldering

Soldering temperature $350 \pm 5^{\circ}\text{C}$

Soldering time 5s max.

Notes are common to this series/models.

1. This site catalog shows only outline specifications. When using the products, please obtain formal specifications for supply.
2. Please place purchase orders per minimum order unit (integer).
3. This products can be used in vehicles.
Although these products are designed to perform over a wide operating temperature range, please ensure that you receive and read the formal delivery specifications before use.

Inquiries about Products

[Inquiry](#)

COPYRIGHT© 2020 ALPS ALPINE CO., LTD