



X CLOSE

Slide Switch > SSAG Series > SSAG130200

Recoil Type for Single-side and Both-sides SSAG Series

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



Part number [Series Common Info](#)

SSAG130200

NET SHOP

3D CAD

RoHS

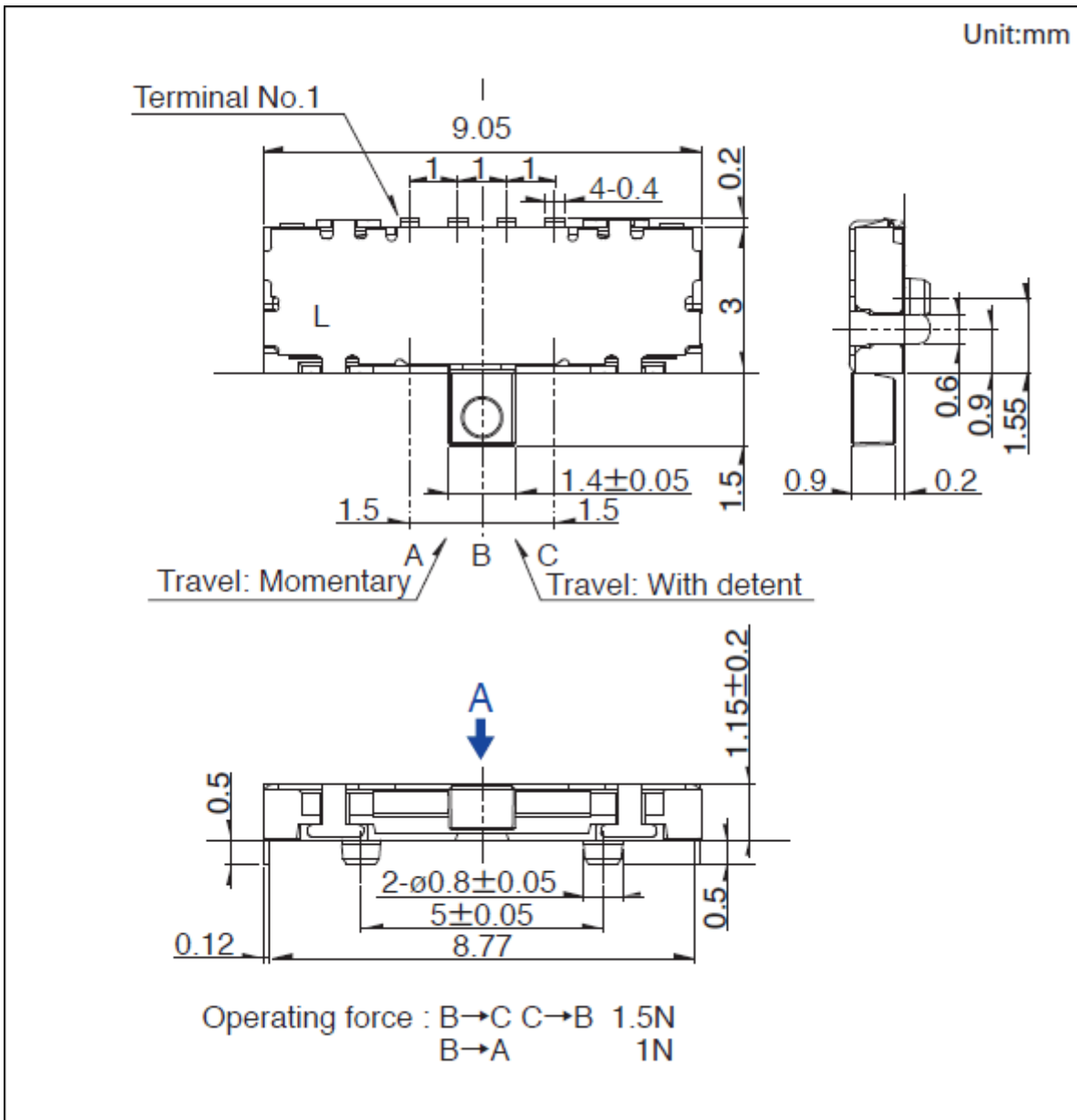
Print

Inquiry

Travel	1.5mm
Actuator directions	Horizontal
Poles	1
Positions	3
Operating force	1N (Recoil side), 1.5N (Lock side)
Changeover timing	Not specified
Soldering	Reflow
Operation	Left-side recoil
Shape of frame leg	For PC board insert
Location lug	With

Operating temperature range			-10°C to +60°C
Rating (max.)/(min.) (Resistive load)			10mA 5V DC/50μA 3V DC
Electrical performance	Contact resistance (Initial performance/After lifetime)		200mΩ max./500mΩ max.
	Insulation resistance		100MΩ min. 100V DC
	Voltage proof		100V AC for 1 minute
	Terminal strength		3N for 1 minute
	Mechanical performance	Actuator strength	Operating direction
		Pulling direction	10N
Durability	Operating life without load		100,000 cycles 500mΩ max. (Recoil side)
			30,000 cycles 500mΩ max. (Lock side)
	Operating life with load (at max. rated load)		100,000 cycles 500mΩ max. (Recoil side)
			30,000 cycles 500mΩ max. (Lock side)
Environmental performance	Cold		-40°C 96h
	Dry heat		85°C 96h
	Damp heat		40°C, 90 to 95%RH 96h
Minimum order unit (pcs.)	Japan		4,000
	Export		16,000

Dimensions



Land Dimensions

	1 reel	4,000
Number of packages (pcs.)	1 case / Japan	8,000
	1 case / export packing	16,000
Tape width (mm)		24
Export package measurements (mm)	428 × 413 × 172	

Soldering Conditions

Example of Reflow Soldering Condition

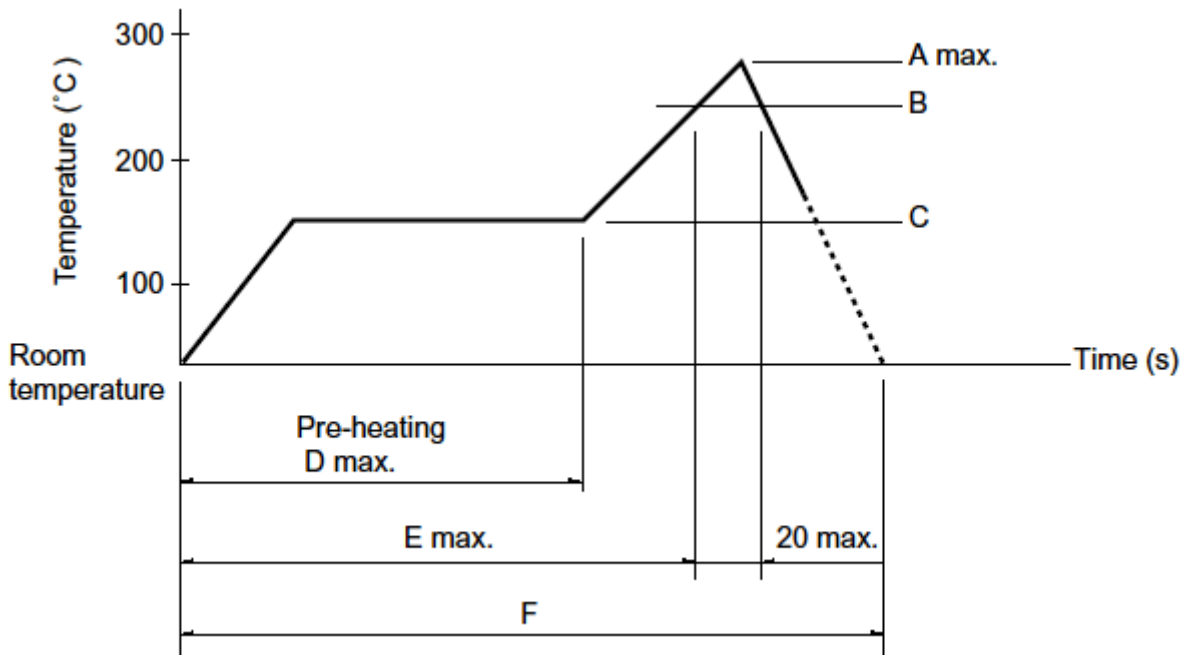
1. Heating method

Double heating method with infrared heater.

2. Temperature measurement

Thermocouple 0.1 to 0.2 Φ CA (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.					
260	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,

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 3s 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).

Inquiries about Products

[Inquiry](#)

COPYRIGHT© 2020 ALPS ALPINE CO., LTD