

Miniature Slide Switch A9S

Double-sided clip contact mechanism combined with see-saw action.

- Gold-plated clip contact and cleaning mechanisms ensure high reliability.
- Specially designed to prevent grease entry into the contact portion.
- Sealed against flux entry.
- Washable, equivalent to IP64 (IEC- 60529).



RoHS Compliant




Typical Applications

Security Control Boards
Electric Power Instrumentation
Program Controllers




Ordering Information

List of Models

● DIP Terminal

Rubber cap		Without		Quantity per bag
Switching Functions				
 ON	 ON	SPDT	DPDT	
ON	ON	A9S11-0011	A9S21-0011	100

● Right Angle Terminal

Rubber cap		Without		Quantity per bag
Switching Functions				
 ON	 ON	SPDT	DPDT	
ON	ON	A9S11-0012	A9S21-0012	100

Note: 1. Contact your OMRON sales representatives to request the other models than listed.
2. Switching Functions show the view from the side of Types and Brand name of marking.

Specifications

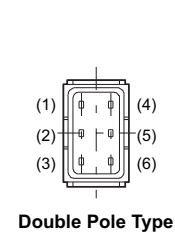
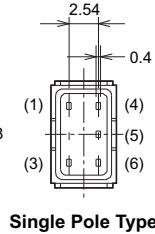
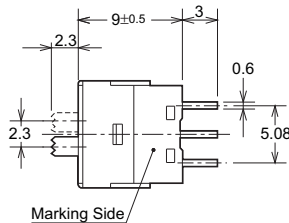
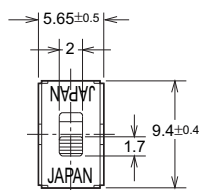
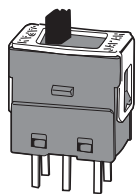
■ Ratings/Characteristics

Switching capacity		50 mA at 60 VAC/DC, 1 μA (minimum current) at 20 mVAC/DC
Ambient operating temperature		-20 to 80 °C 60% RH max. (with no icing or condensation)
Ambient operating humidity		operating : 45 to 85%RH (5 to 35 °C)
Insulation resistance		1,000 MΩ min. (Initial value)
Contact resistance		50 mΩ max. (Initial value)
Dielectric strength		500 VAC for 1 min between terminals, between terminals and ground
Vibration resistance		Malfunction: 10 to 55 Hz, 1.5-mm double amplitude
Shock resistance		Malfunction: 500 m/s ² min.
Durability		Mechanical: 50,000 operations min. Electrical: 50,000 operations min.
Operating force		0.39 to 3.92 N {40 to 400 gf}
Weight	DIP Terminal	0.8 g
	Right Angle Terminal	1 g

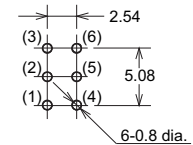
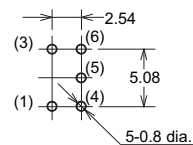
Dimensions

Note: All units are in millimeters unless otherwise indicated.

● DIP terminal



PCB Dimensions (Top View)

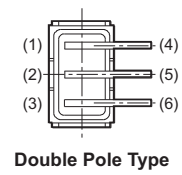
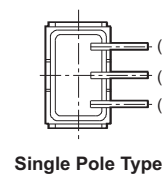
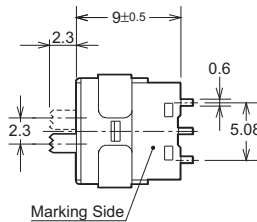
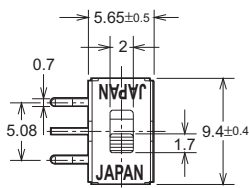
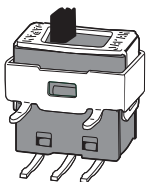


Note: No. (1) and (3) terminals in the SPDT models are dummies to support the Switch case.

Single Pole Type

Double Pole Type

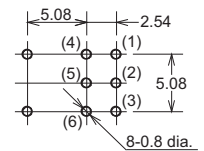
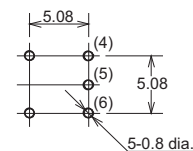
● Right Angle



Single Pole Type

Double Pole Type



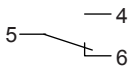
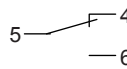
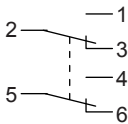
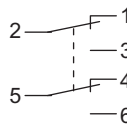
PCB Dimensions (Top View)



Single Pole Type

Double Pole Type

Switching Functions / Internal Connections

	Switching Functions		Contact Forms	
				
SPDT Models	ON	ON	 <p>5 — 4 6</p>	 <p>5 — 4 6</p>
DPDT Models	ON	ON	 <p>2 — 1 3 4 5 — 6</p>	 <p>2 — 1 3 4 5 — 6</p>

Safety Precautions

Be sure to read the Safety precautions common to all PCB-mount Manual Switches for correct use.

ALL DIMENSIONS SHOWN ARE IN MILLIMETERS.
 To convert millimeters into inches, multiply by 0.03937. To convert grams into ounces, multiply by 0.03527.