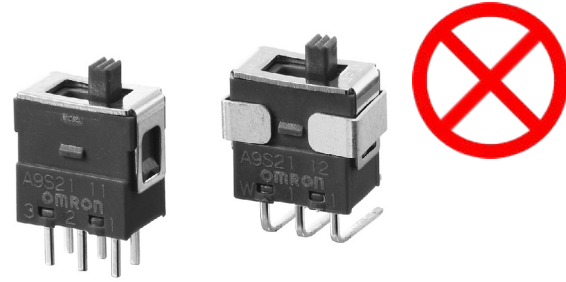


Miniature Slide Switch

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

■ List of Models

● DIP Terminal

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

● Right Angle Terminal

Rubber cap		Without		Quantity per bag
Switching Functions				
		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.

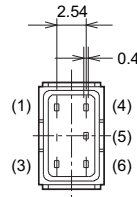
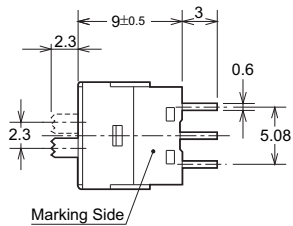
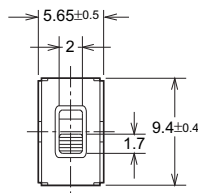
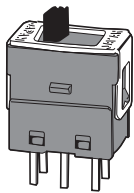
This announcement is based on product catalogue information previously shown before its discontinuation.
Product information of the existing product may be different from this version.

■ Ratings/Characteristics

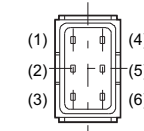
Ratings	50 mA at 60 VAC/DC, 1 μA (minimum current) at 20 mVAC/DC	
Ambient operating temperature	-20 to +80 °C 60% RH max. (with no icing or condensation)	
Ambient operating humidity	operating : 45 to 85%RH (at +5 to +35 °C)	
Insulation resistance	1,000 MΩ min. (Initial value)	
Contact resistance	50 mΩ 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 (Unit: mm)

● DIP terminal

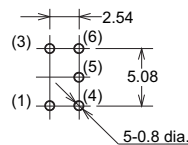


Single Pole Type

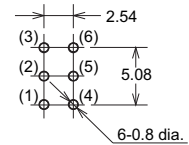


Double Pole Type

PCB Dimensions (Top View)



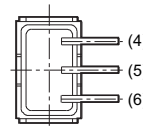
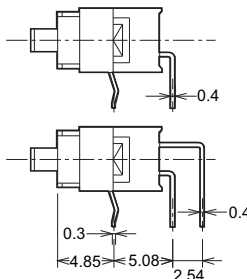
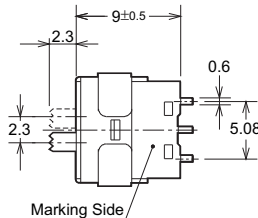
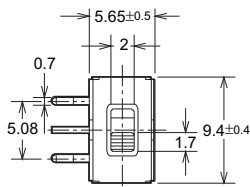
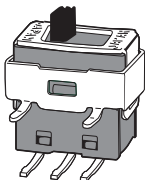
Single Pole Type



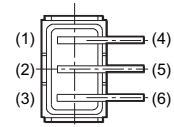
Double Pole Type

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

● Right Angle

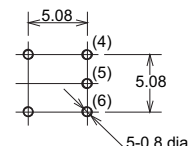


Single Pole Type

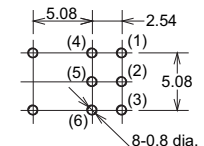


Double Pole Type

PCB Dimensions (Top View)



Single Pole Type



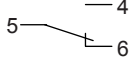
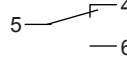
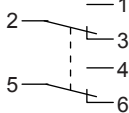
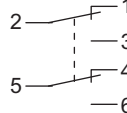


Double Pole Type

Note: Unless otherwise specified, a tolerance of ±0.4 mm applies to all dimensions.

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Product information of the existing product may be different from this version.

■Switching Functions / Internal Connections

	Switching Functions		Contact Forms	
				
SPDT Models	ON	ON		
DPDT Models	ON	ON		

■Safety Precautions

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

- Application examples provided in this document are for reference only. In actual applications, confirm equipment functions and safety before using the product.
- Consult your OMRON representative before using the product under conditions which are not described in the manual or applying the product to nuclear control systems, railroad systems, aviation systems, vehicles, combustion systems, medical equipment, amusement machines, safety equipment, and other systems or equipment that may have a serious influence on lives and property if used improperly. Make sure that the ratings and performance characteristics of the product provide a margin of safety for the system or equipment, and be sure to provide the system or equipment with double safety mechanisms.

Note: Do not use this document to operate the Unit.