

### Standard Surface-Mounting Slide DIP Switches

- Gold-plated twin contacts ensure high reliability.
- Washable, with seal tape available.
- Models with from 1 to 10 poles meet wide needs.
- Embossed taping available for small-reel 100 pcs/500 pcs.



RoHS Compliant

### ■List of Models

#### Tube Packaging

No. of poles	Quantity per tube	Type		Flat actuator		Raised actuator
				Standard	With seal tape	
						
1	130		<b>A6S-1101-H</b>	<b>A6S-1102-H</b>	<b>A6S-1104-H</b>	
2	76		<b>A6S-2101-H</b>	<b>A6S-2102-H</b>	<b>A6S-2104-H</b>	
3	55		<b>A6S-3101-H</b>	<b>A6S-3102-H</b>	<b>A6S-3104-H</b>	
4	42		<b>A6S-4101-H</b>	<b>A6S-4102-H</b>	<b>A6S-4104-H</b>	
5	35		<b>A6S-5101-H</b>	<b>A6S-5102-H</b>	<b>A6S-5104-H</b>	
6	28		<b>A6S-6101-H</b>	<b>A6S-6102-H</b>	<b>A6S-6104-H</b>	
7	25		<b>A6S-7101-H</b>	<b>A6S-7102-H</b>	<b>A6S-7104-H</b>	
8	22		<b>A6S-8101-H</b>	<b>A6S-8102-H</b>	<b>A6S-8104-H</b>	
9	20		<b>A6S-9101-H</b>	<b>A6S-9102-H</b>	<b>A6S-9104-H</b>	
10	18		<b>A6S-0101-H</b>	<b>A6S-0102-H</b>	<b>A6S-0104-H</b>	

**Note:** Order in multiples of the package quantity.

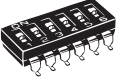
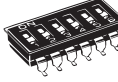
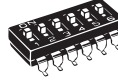
## Embossed Taping (Standard reel)

Type		Flat actuator		Raised actuator	
		Standard	With seal tape		
No. of poles	Quantity per reel			Quantity per reel	
1	800	A6S-1101-PH	A6S-1102-PH	800	A6S-1104-PH
2		A6S-2101-PH	A6S-2102-PH	700	A6S-2104-PH
3		A6S-3101-PH	A6S-3102-PH	700	A6S-3104-PH
4		A6S-4101-PH	A6S-4102-PH	700	A6S-4104-PH
5		A6S-5101-PH	A6S-5102-PH	800	A6S-5104-PH
6		A6S-6101-PH	A6S-6102-PH	700	A6S-6104-PH
7		A6S-7101-PH	A6S-7102-PH	800	A6S-7104-PH
8		A6S-8101-PH	A6S-8102-PH	700	A6S-8104-PH
9		--- (See note 2.)	A6S-9102-PH	700	A6S-9104-PH
10		--- (See note 2.)	A6S-0102-PH	800	A6S-0104-PH

Note: 1. Order in multiples of the package quantity.

2. Models with a different number of poles than those listed here can also be ordered. For details, consult your OMRON sales representative.

## Embossed Taping (Small reel)

Type		Flat actuator		Raised actuator
		Standard	With seal tape	
No. of poles	Quantity per reel			
2	400	--- (See note 2.)	A6S-2102-PMH	--- (See note 2.)
3		A6S-3101-PMH	--- (See note 2.)	--- (See note 2.)
4		A6S-4101-PMH	A6S-4102-PMH	A6S-4104-PMH
6		A6S-6101-PMH	A6S-6102-PMH	A6S-6104-PMH
8		A6S-8101-PMH	A6S-8102-PMH	A6S-8104-PMH
10		A6S-0101-PMH	A6S-0102-PMH	A6S-0104-PMH

Note: 1. Order in multiples of the package quantity.

2. Models with a different number of poles than those listed here can also be ordered. For details, consult your OMRON sales representative.

## Embossed Taping (100 pcs reel)

Type		Flat actuator		Raised actuator
		Standard	With seal tape	
No. of poles	Quantity per reel			
1	100	A6S-1101-H-R100	A6S-1102-H-R100	A6S-1104-H-R100
2		A6S-2101-H-R100	A6S-2102-H-R100	A6S-2104-H-R100
3		A6S-3101-H-R100	A6S-3102-H-R100	A6S-3104-H-R100
4		A6S-4101-H-R100	A6S-4102-H-R100	A6S-4104-H-R100
5		A6S-5101-H-R100	A6S-5102-H-R100	A6S-5104-H-R100
6		A6S-6101-H-R100	A6S-6102-H-R100	A6S-6104-H-R100
7		A6S-7101-H-R100	A6S-7102-H-R100	A6S-7104-H-R100
8		A6S-8101-H-R100	A6S-8102-H-R100	A6S-8104-H-R100
9		A6S-9101-H-R100	A6S-9102-H-R100	A6S-9104-H-R100
10		A6S-0101-H-R100	A6S-0102-H-R100	A6S-0104-H-R100

## Ratings/Characteristics

Rating (resistive load)	25 mA at 24 VDC 10 $\mu$ A (minimum current) at 3.5 VDC	
Ambient operating temperature	-20 to +70°C at 60% max. (with no icing or condensation)	
Ambient operating humidity	35% to 95% (at +5 to +35°C)	
Insulation resistance	100 M $\Omega$ min. (at 250 VDC with insulation tester)	
Contact resistance (initial value)	200 m $\Omega$ max.	
Dielectric strength	Between terminals	500 VAC for 1 min
Vibration resistance	Malfunction	10 to 55 Hz, 1.5-mm double amplitude

Shock resistance	Malfunction	300 m/s <sup>2</sup> min.
Durability	Electrical	1,000 operations min.
Washing		Standard models: Not possible, Models with seal tape: Possible, Models with raised actuators: Not possible
Degree of protection		IEC IP40
Operating force		0.29 to 9.8 N (30 to 1,000 gf)
Weight		0.25 g (2 poles) 0.41 g (4 poles) 0.58 g (6 poles) 0.73 g (8 poles) 0.87 g (10 poles)

**Dimensions** (Unit: mm)

● Flat Actuator

Standard

A6S-□101-H

A6S-□101-PH

A6S-□101-PMH

A6S-□101-H-R100



With Seal Tape

A6S-□102-H

A6S-□102-PH

A6S-□102-PMH

A6S-□102-H-R100



\* 1 pole type is 0 to 0.15 mm

● Raised Actuator

A6S-□104-H

A6S-□104-PH

A6S-□104-PMH

A6S-□104-H-R100



PCB Dimensions (Reference)  
(Top View)



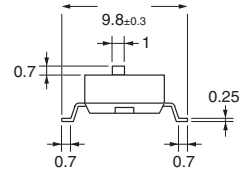
Flat Actuator  
Standard



Flat Actuator  
With Seal Tape



Raised Actuator



No. of poles	Model			Dimension A
	Flat Actuator		Raised Actuator	
	Standard	With Seal Tape		
1	A6S-1101-H	A6S-1102-H	A6S-1104-H	3.48
2	A6S-2101-H	A6S-2102-H	A6S-2104-H	6.02
3	A6S-3101-H	A6S-3102-H	A6S-3104-H	8.56
4	A6S-4101-H	A6S-4102-H	A6S-4104-H	11.10
5	A6S-5101-H	A6S-5102-H	A6S-5104-H	13.64
6	A6S-6101-H	A6S-6102-H	A6S-6104-H	16.18
7	A6S-7101-H	A6S-7102-H	A6S-7104-H	18.72
8	A6S-8101-H	A6S-8102-H	A6S-8104-H	21.26
9	A6S-9101-H	A6S-9102-H	A6S-9104-H	23.80
10	A6S-0101-H	A6S-0102-H	A6S-0104-H	26.34

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

**Internal Connections**

Contact Form (Top View)



**Precautions**

Be sure to read the Safety precautions common to all DIP 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.**

**OMRON Corporation**  
Electronic and Mechanical Components Company

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Cat. No. A211-E1-04  
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# Mouser Electronics

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