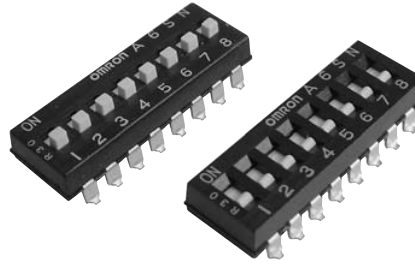


### Knife-edge high pressure mechanics.

- Knife-edge high pressure mechanics will ensure high reliability.
- Knife-edge high pressure mechanics will ensure washing without seal tape.
- Embossed tapping models available for automatic mounting.
- Temperature-resistance resin allows at peak reflow temperature of 260 °C.





**NEW**



RoHS Compliant

## Ordering Information

### Stick type

Type and color of actuator		Flat actuator (white)	Raised actuator (white)
No. of poles	Quantity per stick		
1	100	A6SN-1101	A6SN-1104
2	60	A6SN-2101	A6SN-2104
3	45	A6SN-3101	A6SN-3104
4	35	A6SN-4101	A6SN-4104
5	30	A6SN-5101	A6SN-5104
6	25	A6SN-6101	A6SN-6104
7	20	A6SN-7101	A6SN-7104
8	20	A6SN-8101	A6SN-8104
9	15	A6SN-9101	A6SN-9104
10	15	A6SN-0101	A6SN-0104

### Embossed tapping type

Type and color of actuator		Flat actuator (white)	Raised actuator (white)
No. of poles	Quantity per package		
2	750	A6SN-2101-P	A6SN-2104-P
3		A6SN-3101-P	A6SN-3104-P
4		A6SN-4101-P	A6SN-4104-P
5		A6SN-5101-P	A6SN-5104-P
6		A6SN-6101-P	A6SN-6104-P
7		A6SN-7101-P	A6SN-7104-P
8		A6SN-8101-P	A6SN-8104-P
9		A6SN-9101-P	A6SN-9104-P
10		A6SN-0101-P	A6SN-0104-P

- Note:**
1. Seal tape models available for flat actuator.
  2. Orders must be made in integral multiples of packaging quantities.

## Specifications

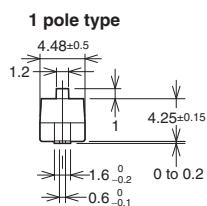
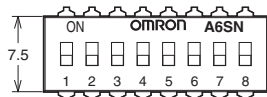
### ■ Ratings/Characteristics

Rating	24 VDC 25 mA, 10 $\mu$ A (minimum current) at 3.5 VDC
Ambient operating temperature	-30 to 85 °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 100 VDC)
Contact resistance	200 m $\Omega$ max. (initial value)
Dielectric strength	300 VAC for 1 min between terminals
Vibration resistance	Malfunction: 10 to 55 Hz, 1.5-mm double amplitude
Shock resistance	Malfunction: 490 m/s <sup>2</sup> min.
Life expectancy	Electrical: 1,000 operations min.
Operating force	0.98 to 7.9 N
Weight	0.3 g (2 poles) 0.55 g (4 poles) 0.8 g (6 poles) 1.05 g (8 poles) 1.3 g (10 poles)

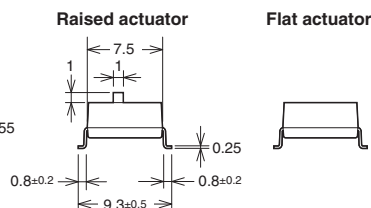
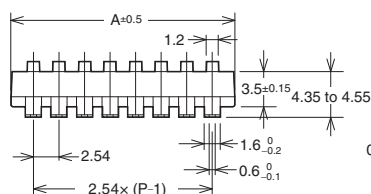
## Dimensions

- Note:** 1. All units are in millimeters unless otherwise indicated.  
2. Unless otherwise specified, a tolerance of  $\pm 0.4$  mm applies to all dimensions.

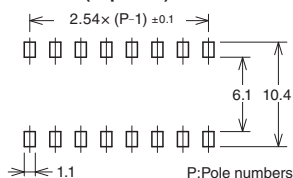
### ■ Flat actuator A6SN-□101



### ■ Raised actuator A6SN-□104



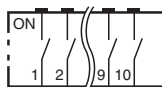
Dimensions of PCB pad  
(Top View)



No. of poles	Models		A
	Flat actuator	Raised actuator	
1	A6SN-1101	A6SN-1104	4.48
2	A6SN-2101	A6SN-2104	7.0
3	A6SN-3101	A6SN-3104	9.6
4	A6SN-4101	A6SN-4104	12.1
5	A6SN-5101	A6SN-5104	14.6
6	A6SN-6101	A6SN-6104	17.2
7	A6SN-7101	A6SN-7104	19.7
8	A6SN-8101	A6SN-8104	22.3
9	A6SN-9101	A6SN-9104	24.8
10	A6SN-0101	A6SN-0104	27.3

## Installation

### ■ Internal Connections (Top View)

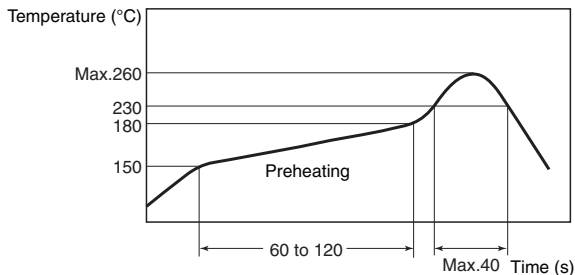


# Safety Precautions

## ■ Correct Use

### Soldering

- Set the Switch to OFF before soldering.
- Observe the following conditions for reflow soldering.  
(Measurement location: Top of Switch)

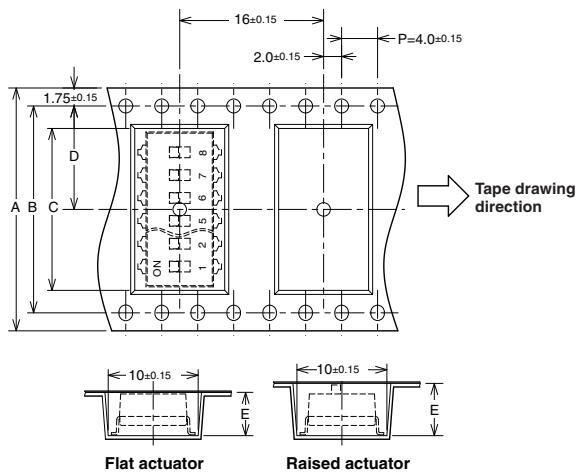


- The reflow of soldering is principle possible only for one time. Please contact us about details.
- Manual Soldering  
Soldering temperature : 400 °C max.  
at the tip of the soldering iron.  
Soldering time : 4 s max.

### Washing

Apply alcohol-based solvents to clean.  
Do not apply water or any other agents to clean, as such agents may degrade the materials or performance of the Switch.

### Packing Specifications



No. of poles		2	3	4	5	6	7	8	9	10
		Dimension								
Dimension	A	24	24	24	24	32	32	44	44	44
	B					28.4	28.4	40.4	40.4	40.4
	C	7.9	10.4	12.9	15.4	18.0	20.5	22.7	25.5	28.1
	D	11.5	11.5	11.5	11.5	14.2	14.2	20.2	20.2	20.2
E	Flat	4.8								
	Raised	5.8								

### Environment for Storage and Use

To prevent discoloration of the terminals and other problems during storage, do not store the A6SN in locations subject to the following conditions.

- High temperatures or humidity/Corrosive gases
- Direct sunlight/Contact with water

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

Cat. No. A193-E1-01 In the interest of product improvement, specifications are subject to change without notice.

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## OMRON Corporation

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