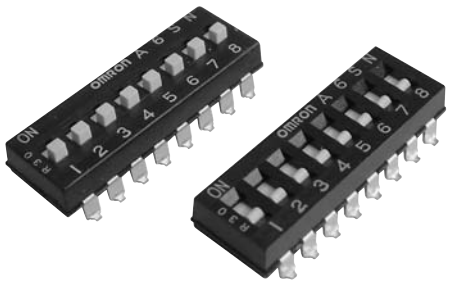
OMRON

Slide DIP Switch

A6SN

Surface-Mounting Slide DIP Switches with High Contact Reliability

- Knife-edge structure with high contact pressure mechanism assures high reliability.
- Washable , without seal tape available.
- With seal tape enables adsorption on auto mounting machine.
- Models with from 1 to 10 poles meet wide needs.
- Embossed 100 pcs reel type is recommended for flexible demand.



■List of Models

Tube Packaging

Type / No. of poles	Minimum packing units	Flat actuator	Raised actuator
			
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 Taping *

Type / No. of poles	Flat actuator				Raised actuator	
	Standard		With seal tape			
	Minimum packing units		Minimum packing units		Minimum packing units	
2	750	**A6SN-2101-P**	750	**A6SN-2102-P**	700	**A6SN-2104-P**
3		**A6SN-3101-P**		**A6SN-3102-P**		**A6SN-3104-P**
4		**A6SN-4101-P**		**A6SN-4102-P**		**A6SN-4104-P**
5		**A6SN-5101-P**		**A6SN-5102-P**		**A6SN-5104-P**
6		**A6SN-6101-P**		**A6SN-6102-P**		**A6SN-6104-P**
7		**A6SN-7101-P**		**A6SN-7102-P**		**A6SN-7104-P**
8		**A6SN-8101-P**		**A6SN-8102-P**		**A6SN-8104-P**
9		**A6SN-9101-P**		**A6SN-9102-P**		**A6SN-9104-P**
10		**A6SN-0101-P**		**A6SN-0102-P**		**A6SN-0104-P**

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

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Embossed Taping (100 pcs reel)

Type	Flat actuator				Raised actuator	
	Standard		With seal tape			
						
No. of poles	Minimum packing units		Minimum packing units		Minimum packing units	
2	100	A6SN-2101-R100	100	A6SN-2102-R100	100	A6SN-2104-R100
3		A6SN-3101-R100		A6SN-3102-R100		A6SN-3104-R100
4		A6SN-4101-R100		A6SN-4102-R100		A6SN-4104-R100
5		A6SN-5101-R100		A6SN-5102-R100		A6SN-5104-R100
6		A6SN-6101-R100		A6SN-6102-R100		A6SN-6104-R100
7		A6SN-7101-R100		A6SN-7102-R100		A6SN-7104-R100
8		A6SN-8101-R100		A6SN-8102-R100		A6SN-8104-R100
9		A6SN-9101-R100		A6SN-9102-R100		A6SN-9104-R100
10		A6SN-0101-R100		A6SN-0102-R100		A6SN-0104-R100

■Ratings/Characteristics

Rating (resistive load)		25 mA at 24 VDC 10 μA (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 MΩ min. (at 100 VDC with insulation tester)
Contact resistance (initial value)		200 mΩ max.
Dielectric strength	**Between terminals**	300 VAC for 1 min
Vibration resistance	**Malfunction**	10 to 55 Hz, 1.5-mm double amplitude
Shock resistance	**Malfunction**	490 m/s^2 min.
Durability	**Electrical**	1,000 operations min.
Washing		Possible
Degree of protection		IEC IP40
Operating force		0.98 to 7.9 N {100 to 806 gf}
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)

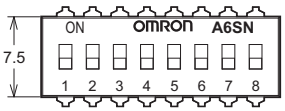
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■Dimensions (Unit: mm)

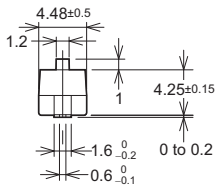
●Flat actuator

Standard
A6SN-☐101
A6SN-☐101-P
A6SN-☐101-R100



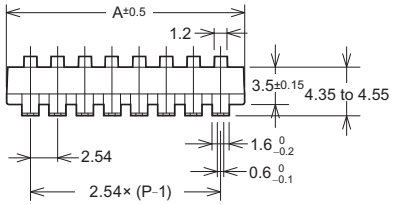


1 pole type

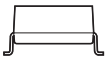


With seal tape
A6SN-☐102-P
A6SN-☐102-R100

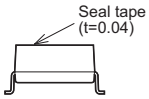




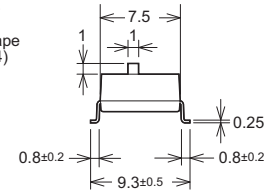
Flat actuator Standard



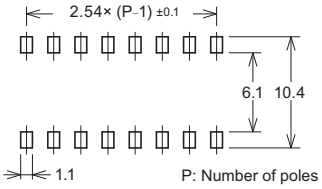
Flat actuator With seal tape



Raised actuator



Dimensions of PCB pad (Reference) (Top View)



●Raised actuator

A6SN-☐104
A6SN-☐104-P
A6SN-☐104-R100

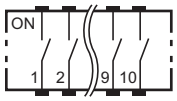


No. of poles	Flat actuator		Embossed taping			Embossed taping (100 pcs reel)			A
	Standard	Raised actuator	Flat actuator		Raised actuator	Flat actuator		Raised actuator	
			Standard	With seal tape		Standard	With seal tape		
1	A6SN-1101	A6SN-1104	---	---	---	---	---	---	4.48
2	A6SN-2101	A6SN-2104	A6SN-2101-P	A6SN-2102-P	A6SN-2104-P	A6SN-2101-R100	A6SN-2102-R100	A6SN-2104-R100	7.0
3	A6SN-3101	A6SN-3104	A6SN-3101-P	A6SN-3102-P	A6SN-3104-P	A6SN-3101-R100	A6SN-3102-R100	A6SN-3104-R100	9.6
4	A6SN-4101	A6SN-4104	A6SN-4101-P	A6SN-4102-P	A6SN-4104-P	A6SN-4101-R100	A6SN-4102-R100	A6SN-4104-R100	12.1
5	A6SN-5101	A6SN-5104	A6SN-5101-P	A6SN-5102-P	A6SN-5104-P	A6SN-5101-R100	A6SN-5102-R100	A6SN-5104-R100	14.6
6	A6SN-6101	A6SN-6104	A6SN-6101-P	A6SN-6102-P	A6SN-6104-P	A6SN-6101-R100	A6SN-6102-R100	A6SN-6104-R100	17.2
7	A6SN-7101	A6SN-7104	A6SN-7101-P	A6SN-7102-P	A6SN-7104-P	A6SN-7101-R100	A6SN-7102-R100	A6SN-7104-R100	19.7
8	A6SN-8101	A6SN-8104	A6SN-8101-P	A6SN-8102-P	A6SN-8104-P	A6SN-8101-R100	A6SN-8102-R100	A6SN-8104-R100	22.3
9	A6SN-9101	A6SN-9104	A6SN-9101-P	A6SN-9102-P	A6SN-9104-P	A6SN-9101-R100	A6SN-9102-R100	A6SN-9104-R100	24.8
10	A6SN-0101	A6SN-0104	A6SN-0101-P	A6SN-0102-P	A6SN-0104-P	A6SN-0101-R100	A6SN-0102-R100	A6SN-0104-R100	27.3

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

■Internal Connections

Contact Form (Top View)



■Precautions

Be sure to read the Safety precautions common to all DIP Switches for correct use.

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