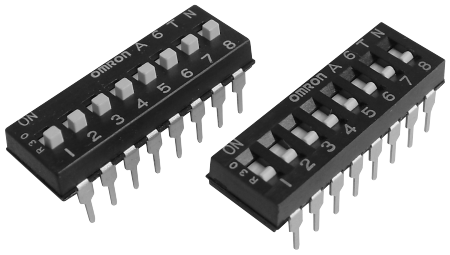
OMRON

Slide DIP Switch

A6TN

Throgh-hole Mounting Slide DIP Switches with High Contact Reliability

- Knife-edge structure with high contact pressure mechanism assures high reliability.
- Washable, without seal tape available.
- Models with from 1 to 10 poles meet wide needs.



■ List of Models

Tube packaging

Type		Flat actuator	Raised actuator
			
No.of poles	Quantity per tube		
1	100	**A6TN-1101**	**A6TN-1104**
2	60	**A6TN-2101**	**A6TN-2104**
3	45	**A6TN-3101**	**A6TN-3104**
4	35	**A6TN-4101**	**A6TN-4104**
5	30	**A6TN-5101**	**A6TN-5104**
6	25	**A6TN-6101**	**A6TN-6104**
7	20	**A6TN-7101**	**A6TN-7104**
8	20	**A6TN-8101**	**A6TN-8104**
9	15	**A6TN-9101**	**A6TN-9104**
10	15	**A6TN-0101**	**A6TN-0104**

Note: Order in multiples of the package quantity.

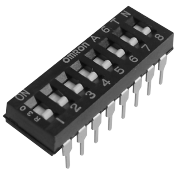
■ Ratings/Characteristics

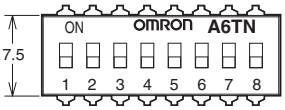
Rating (resistive load)	25 mA at 24 VDC 10 μA (minimum current) at 3.5 VDC
Ambient operating temperature	-30 to +85 °C at 60% max. (with no icing or condensation)
Ambient operating humidity	35% to 95% (at +5 to +35 °C)
Insulation resistance	100 MΩ min. (at 100 VDC with insulation tester)
Contact resistance (initial value)	200 mΩ max.
Dielectric strength	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^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	0.31 g (2 poles) 0.58 g (4 poles) 0.84 g (6 poles) 1.1 g (8 poles) 1.36 g (10 poles)

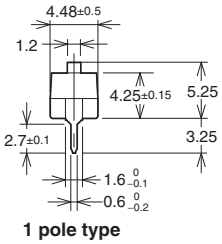
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■ Dimensions (Unit: mm)

● Flat Actuator
A6TN-□101

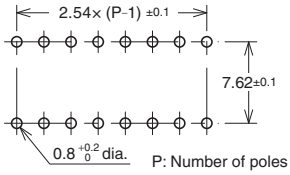




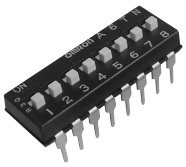


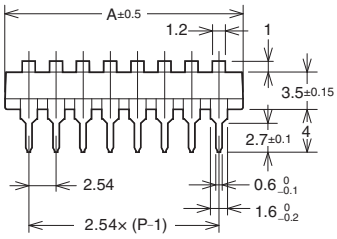
1 pole type

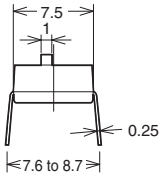
PCB Dimensions (Reference)
(Top View)



● Raised Actuator
A6TN-□104







Raised actuator



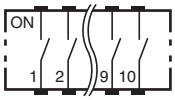
Flat actuator

No.of poles	Models		A
	Flat actuator	Raised actuator	
1	**A6TN-1101**	**A6TN-1104**	4.48
2	**A6TN-2101**	**A6TN-2104**	7.0
3	**A6TN-3101**	**A6TN-3104**	9.6
4	**A6TN-4101**	**A6TN-4104**	12.1
5	**A6TN-5101**	**A6TN-5104**	14.6
6	**A6TN-6101**	**A6TN-6104**	17.2
7	**A6TN-7101**	**A6TN-7104**	19.7
8	**A6TN-8101**	**A6TN-8104**	22.3
9	**A6TN-9101**	**A6TN-9104**	24.8
10	**A6TN-0101**	**A6TN-0104**	27.3

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

■ Internal Connection

Contact Form (Top View)



■ Precautions

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

Please check each region's Terms & Conditions by region website.

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