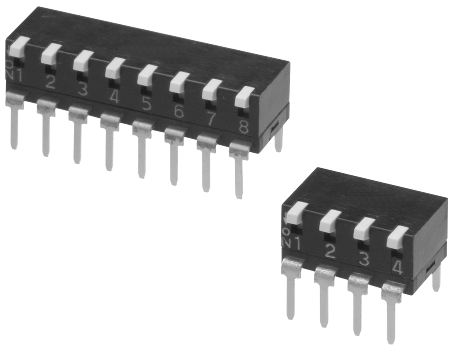
OMRON

Piano DIP Switch

A6TR

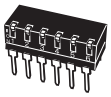
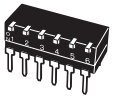
Standard Through-hole Mounting Piano DIP Switches

- Low-profile design with a height of only 5 mm and a 2.54-mm pitch for continuous mounting.
- Gold-plated twin contacts ensure high reliability.



■List of Models

Tube packaging

Type		Short actuator	Long actuator
			
No. of poles	Quantity per tube		
2	95	**A6TR-2101**	**A6TR-2104**
4	47	**A6TR-4101**	**A6TR-4104**
6	31	**A6TR-6101**	**A6TR-6104**
8	23	**A6TR-8101**	**A6TR-8104**
10	18	**A6TR-0101**	**A6TR-0104**

Note: Orders must be made in integral multiples of the quantities given for each tube. Switches are not sold individually.

■Ratings/Characteristics

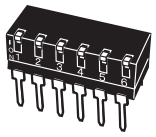
Rating (resistive load)		25 mA at 24 VDC 10 μA (minimum current) at 3.5 VDC
Ambient operating temperature		–20 to +70°C at 60% max. (with no icing or condensation)
Ambient operating humidity		35% to 95% (at +5 to +35°C)
Insulation resistance		100 MΩ min. (at 250 VDC with insulation tester)
Contact resistance (initial value)		200 mΩ 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^2 min.
Durability	**Electrical**	1,000 operations min.
Washing		Not possible
Degree of protection		IEC IP40
Operating force		0.29 to 7.8 N {30 to 795 gf}
Weight		0.25 g (2 poles), 0.50 g (4 poles), 0.76 g (6 poles), 1.02 g (8 poles), 1.28 g (10 poles)

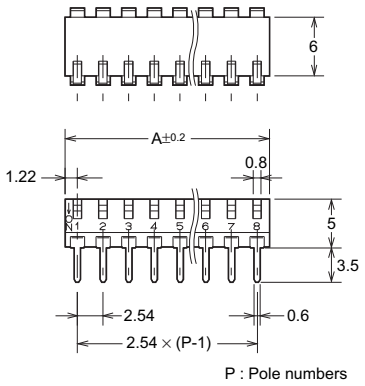
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■Dimensions (Unit: mm)

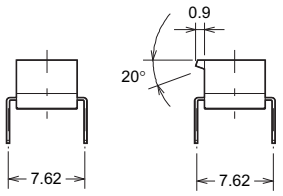
● **Short actuator / Long actuator**

A6TR-□101
A6TR-□104

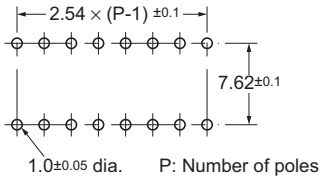




Short actuator **Long actuator**



PCB Dimentions (Reference)
(Top View)

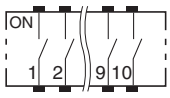


No. of poles	Model		Dimension A
	Short actuator	Long actuator	
2	A6TR-2101	A6TR-2104	4.98
4	A6TR-4101	A6TR-4104	10.06
6	A6TR-6101	A6TR-6104	15.14
8	A6TR-8101	A6TR-8104	20.22
10	A6TR-0101	A6TR-0104	25.30

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.

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

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