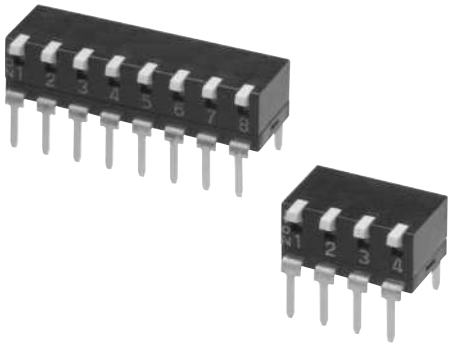
OMRON

Piano DIP Switch

A6TR

Low-profile Piano DIP Switches with a Standard Pitch of 2.54 mm for Continuous Mounting.



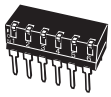
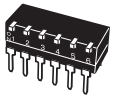
- Low-profile design with a height of only 5 mm and a 2.54-mm pitch for continuous mounting.
- Models available with 2, 4, 6, 8, or 10 poles.
- Gold-plated twin contacts with slide-type self-cleaning mechanism for high reliability.

RoHS Compliant

Application

Mode setting of MPU
Modem
Controller of servo motor
Coin changer
Program controller

■List of Models

Type (color of actuator) / No. of poles	Quantity per tube	Short actuator (white)	Long actuator (white)
			
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

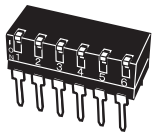
Ratings		25 mA at 24 VDC, 10 μA (minimum current) at 3.5 VDC
Ambient operating temperature		–20 to +70°C at 60% max. (with no icing or condensation)
Ambient operating humidity		35% to 95% (at +5 to +35°C)
Insulation resistance		100 MΩ min. (at 250 VDC)
Contact resistance		200 mΩ max. (initial value)
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.
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)

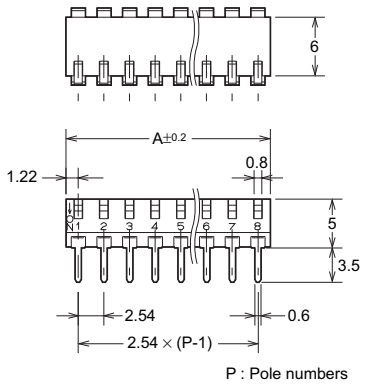
■Dimensions (Unit: mm)

● **Through hole terminal**

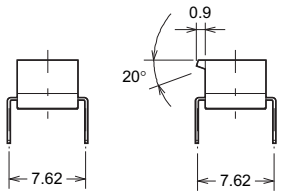
Short actuator / Long actuator

A6TR-□101
A6TR-□104

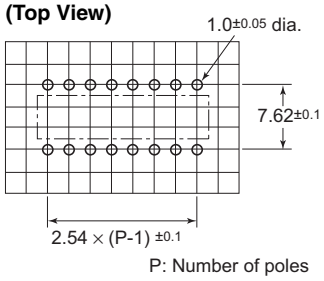




Short actuator **Long actuator**



PCB Dimentions (Top View)

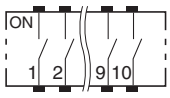


No. of poles	Model		Dimension A
	Short lever	Long lever	
2	A6TR-2101	A6TR-2104	4.98
4	A6TR-4101	A6TR-4104	10.06
6	A6TR-6101	A6TR-6104	15.14
8	A6TR-8101	A6TR-8104	20.22
10	A6TR-0101	A6TR-0104	25.30

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.

- 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.

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