OMRON Piano DIP Switch

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 selfcleaning mechanism for high reliability.

RoHS Compliant

Application

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

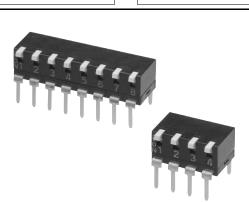
■List of Models

Type (color of actuator)		Short actuator (white)	Long actuator (white)
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No. of poles	Quantity per tube	RR RR R	000000
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)	



A6TR

Dimensions (Unit: mm) Through hole terminal

Short actuator / Long actuator **PCB** Dimentions A6TR-0101 (Top View) A6TR-0104 1.0±0.05 dia. 1. 1 1 -1 I. Short actuator Long actuator 7 62±0.1 A±0.2 0.9 0.8 1.22 · 日旧 ΗĦ Ħ Ħ H 2.54 × (P-1) ±0.1 P: Number of poles 0.6 7.62 7.62 $2.54 \times (P-1)$ Model P : Pole numbers **Dimension** A No. of poles Short lever Long lever 4.98 A6TR-2101 A6TR-2104 2 A6TR-4101 A6TR-4104 10.06 4 6 A6TR-6101 A6TR-6104 15.14

8

10

A6TR-8101

A6TR-0101

A6TR-8104

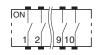
A6TR-0104

20.22

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 improperty. 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.

OMRON Corporation

ELECTRONIC AND MECHANICAL COMPONENTS COMPANY

Contact: www.omron.com/ecb

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