

Piano DIP Switch (SMT)

A6SR

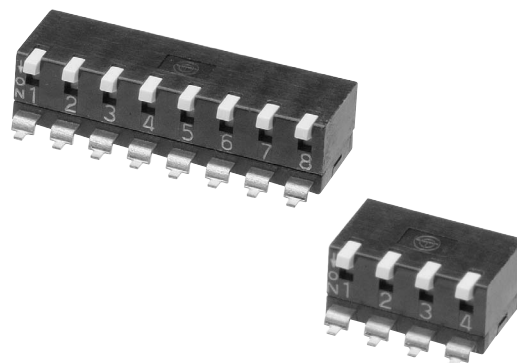
Low-profile Piano DIP Switches with a Standard Pitch of 2.54 mm for Continuous Mounting.

- 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.

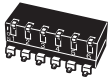
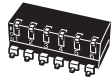
RoHS Compliant

Application

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



List of Models

Type (color of actuator)		Tube packaging		Quantity per reel	Embossed taping packaging	
		Short actuator (White)	Long actuator (White)		Short actuator (White)	Long actuator (White)
No. of poles	Quantity per tube					
2	95	A6SR-2101	A6SR-2104	700	A6SR-2101-P	A6SR-2104-P
4	47	A6SR-4101	A6SR-4104		A6SR-4101-P	A6SR-4104-P
6	31	A6SR-6101	A6SR-6104		A6SR-6101-P	A6SR-6104-P
8	23	A6SR-8101	A6SR-8104		A6SR-8101-P	A6SR-8104-P
10	18	A6SR-0101	A6SR-0104		A6SR-0101-P	A6SR-0104-P

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 μ A (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 M Ω min. (at 250 VDC)
Contact resistance		200 m Ω 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		0.24 g (2 poles), 0.48 g (4 poles), 0.73 g (6 poles), 0.97 g (8 poles), 1.22 g (10 poles)

■Dimensions (Unit: mm)

● SMT terminal

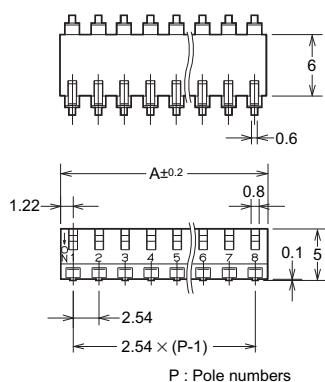
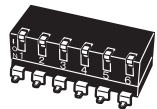
Short actuator / Long actuator

A6SR-□101

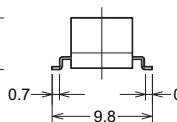
A6SR-□101-P

A6SR-□104

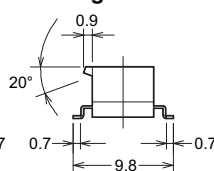
A6SR-□104-P



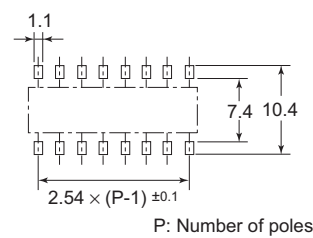
Short actuator



Long actuator



Dimensions of PCB Pad (Top View)

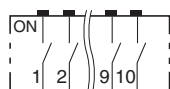


No. of poles	Model		Dimension A
	Short actuator	Long actuator	
2	A6SR-2101	A6SR-2104	4.98
4	A6SR-4101	A6SR-4104	10.06
6	A6SR-6101	A6SR-6104	15.14
8	A6SR-8101	A6SR-8104	20.22
10	A6SR-0101	A6SR-0104	25.30

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.

OMRON Corporation

ELECTRONIC AND MECHANICAL COMPONENTS COMPANY

Contact: www.omron.com/ecb

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