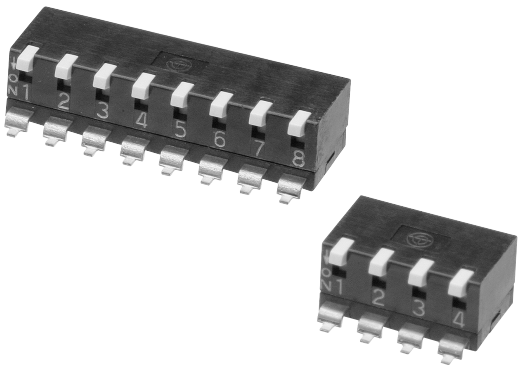
OMRON

Piano DIP Switch

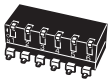
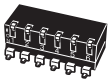
A6SR

Standard Surface 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.
- Embossed 100 pcs reel type is recommended for flexible demand.



■List of Models

Type		Short actuator	Long actuator	Short actuator		Long actuator	
							
		Tube packaging		Embossed taping			
No. of poles	Quantity per tube			Standard (700 pcs)	100 pcs reel (100 pcs)	Standard (700 pcs)	100 pcs reel (100 pcs)
2	95	**A6SR-2101**	**A6SR-2104**	**A6SR-2101-P**	**A6SR-2101-R100**	**A6SR-2104-P**	**A6SR-2104-R100**
4	47	**A6SR-4101**	**A6SR-4104**	**A6SR-4101-P**	**A6SR-4101-R100**	**A6SR-4104-P**	**A6SR-4104-R100**
6	31	**A6SR-6101**	**A6SR-6104**	**A6SR-6101-P**	**A6SR-6101-R100**	**A6SR-6104-P**	**A6SR-6104-R100**
8	23	**A6SR-8101**	**A6SR-8104**	**A6SR-8101-P**	**A6SR-8101-R100**	**A6SR-8104-P**	**A6SR-8104-R100**
10	18	**A6SR-0101**	**A6SR-0104**	**A6SR-0101-P**	**A6SR-0101-R100**	**A6SR-0104-P**	**A6SR-0104-R100**

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

■Ratings/Characteristics

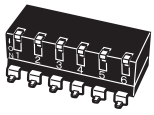
Rating (resistive load)		25 mA at 24 VDC 10 μA (minimum current) at 3.5 VDC
Ambient operating temperature		–20 to +70°C at 60% max. (with no icing or condensation)
Ambient operating humidity		35% to 95% (at +5 to +35°C)
Insulation resistance		100 MΩ min. (at 250 VDC with insulation tester)
Contact resistance (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		0.24 g (2 poles), 0.48 g (4 poles), 0.73 g (6 poles), 0.97 g (8 poles), 1.22 g (10 poles)

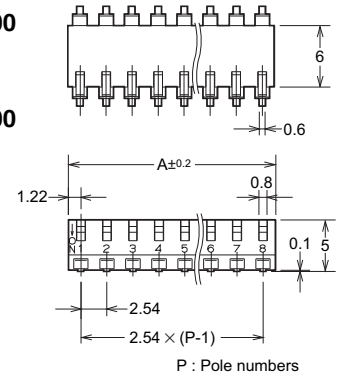
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■Dimensions (Unit: mm)

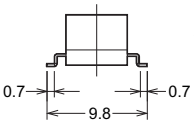
● **Short actuator / Long actuator**

A6SR-□101
A6SR-□101-P
A6SR-□101-R100
A6SR-□104
A6SR-□104-P
A6SR-□104-R100

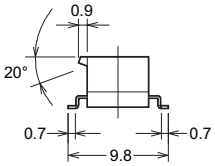




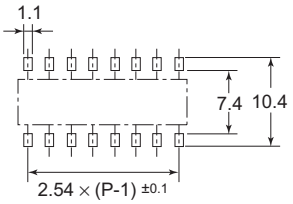
Short actuator



Long actuator



Dimensions of PCB Pad (Reference) (Top View)



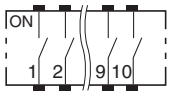
P: Number of poles

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.

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

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