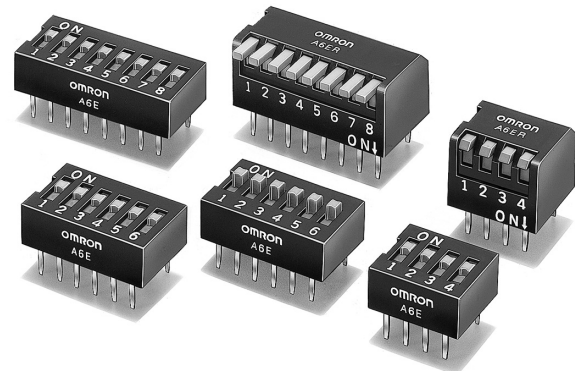


DIP Switch with a variety of assortment of Poles and Actuators in Slide or Piano Types

- The sealed bottom prevents flux penetration.
- Gold-plated contacts and terminals ensure high reliability.

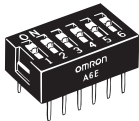
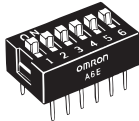
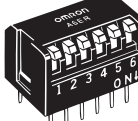
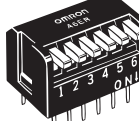
RoHS Compliant



## Ordering Information

### ■ List of Models

#### ● Models in Tube Packages

No. of poles	Quantity per tube	Type (actuator color)	Flat actuator (Orange)	Raised actuator (Orange)	Type (actuator color)	Piano actuator (short) (Orange)	Piano actuator (long) (Orange)
							
2	73		<b>A6E-2101</b>	<b>A6E-2104</b>	70	<b>A6ER-2101</b>	<b>A6ER-2104</b>
3	52		<b>A6E-3101</b>	<b>A6E-3104</b>	50	<b>A6ER-3101</b>	<b>A6ER-3104</b>
4	40		<b>A6E-4101</b>	<b>A6E-4104</b>	39	<b>A6ER-4101</b>	<b>A6ER-4104</b>
5	33		<b>A6E-5101</b>	<b>A6E-5104</b>	32	<b>A6ER-5101</b>	<b>A6ER-5104</b>
6	28		<b>A6E-6101</b>	<b>A6E-6104</b>	27	<b>A6ER-6101</b>	<b>A6ER-6104</b>
7	24		<b>A6E-7101</b>	<b>A6E-7104</b>	24	<b>A6ER-7101</b>	<b>A6ER-7104</b>
8	21		<b>A6E-8101</b>	<b>A6E-8104</b>	21	<b>A6ER-8101</b>	<b>A6ER-8104</b>
9	19		<b>A6E-9101</b>	<b>A6E-9104</b>	19	<b>A6ER-9101</b>	<b>A6ER-9104</b>
10	17		<b>A6E-0101</b>	<b>A6E-0104</b>	17	<b>A6ER-0101</b>	<b>A6ER-0104</b>

Note: Order in multiples of the package quantity.

## Specifications

### ■ Ratings/Characteristics

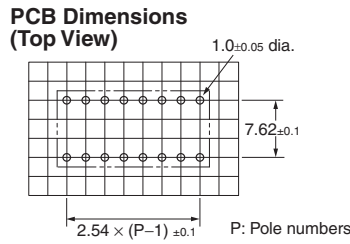
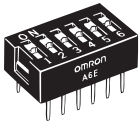
Rating	25 mA at 24 VDC 10 $\mu$ A (minimum current) at 3.5 VDC
Ambient operating temperature	-20 to 70°C at 60% max. (with no icing or condensation)
Ambient operating humidity	35% to 95% (at 5 to 35°C)
Insulation resistance	100 M $\Omega$ min. (at 250 VDC)
Contact resistance	200 m $\Omega$ max. (initial value)
Dielectric strength	500 VAC for 1 min between terminals
Vibration resistance	Malfunction: 10 to 55 Hz, 1.5-mm double amplitude
Shock resistance	Malfunction: 300 m/s <sup>2</sup> min.
Durability	Electrical: 1,000 operations min.
Operating force	0.29 to 9.8 N {30 to 1,000 gf}
Weight	A6E: 0.66 g (2 poles), 1.00 g (4 poles), 1.32 g (6 poles), 1.65 g (8 poles), 1.98 g (10 poles) A6ER: 1.01 g (2 poles), 1.51 g (4 poles), 2.00 g (6 poles), 2.51 g (8 poles), 3.02 g (10 poles)

# Dimensions

- Note:** 1. All units are in millimeters unless otherwise indicated.  
 2. Unless otherwise specified, a tolerance of  $\pm 0.4$  mm applies to all dimensions.

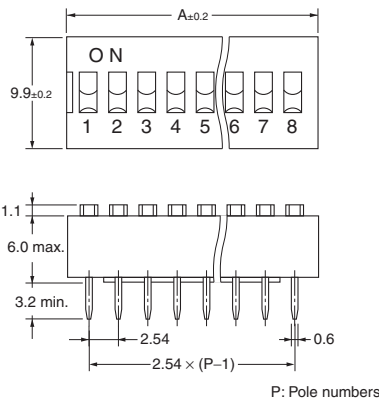
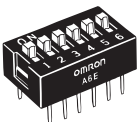
● Flat Actuator

A6E-□101



● Raised Actuator

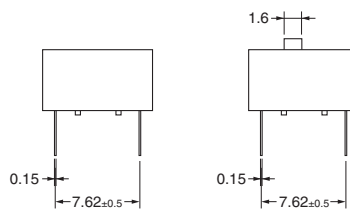
A6E-□104



No. of poles	Model		Dimension A
	Flat	Raised	
2	A6E-2101	A6E-2104	6.64
3	A6E-3101	A6E-3104	9.18
4	A6E-4101	A6E-4104	11.72
5	A6E-5101	A6E-5104	14.26
6	A6E-6101	A6E-6104	16.80
7	A6E-7101	A6E-7104	19.34
8	A6E-8101	A6E-8104	21.88
9	A6E-9101	A6E-9104	24.42
10	A6E-0101	A6E-0104	26.96

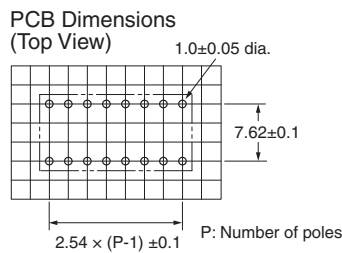
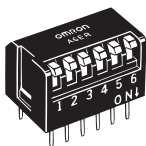
Flat Actuator

Raised Actuator



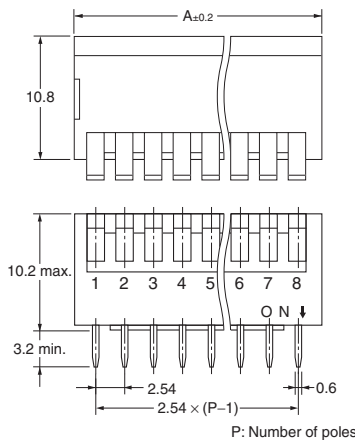
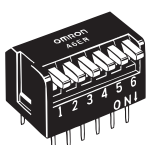
● Piano Actuator (Short)

A6ER-□101



● Piano Actuator (Long)

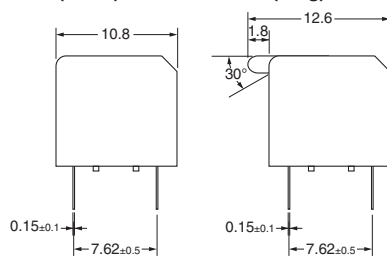
A6ER-□104



No. of poles	Model		Dimension A
	Piano (short)	Piano (long)	
2	A6ER-2101	A6ER-2104	6.64
3	A6ER-3101	A6ER-3104	9.18
4	A6ER-4101	A6ER-4104	11.72
5	A6ER-5101	A6ER-5104	14.26
6	A6ER-6101	A6ER-6104	16.80
7	A6ER-7101	A6ER-7104	19.34
8	A6ER-8101	A6ER-8104	21.88
9	A6ER-9101	A6ER-9104	24.42
10	A6ER-0101	A6ER-0104	26.96

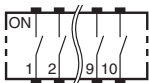
Piano Actuator (short)

Piano Actuator (long)



## Internal Connections

■ Contact Form (Top View)



ALL DIMENSIONS SHOWN ARE IN MILLIMETERS.  
 To convert millimeters into inches, multiply by 0.03937. To convert grams into ounces, multiply by 0.03527.

## Precautions

Be sure to read the Safety precautions common to all DIP Switches for correct use.