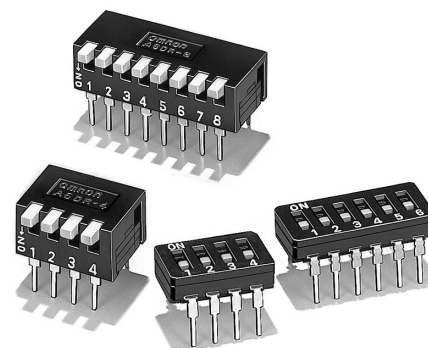


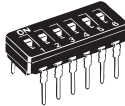
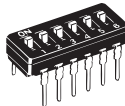
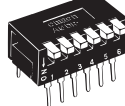
# DIP Switch A6D/A6DR

## Space-saving, Subminiature DIP Switch Offers Both Sealed and Unsealed Construction

- Sealed construction equivalent to IP64 (IEC 60529) prevents flux penetration and provides high contact reliability even in dusty locations and locations where water is used.
- Smooth, sure switching action enables comfortable operation. Designed to standards of DIL-IC; top actuated types are auto insertable
- Gold-plated twin contacts and a slide-type, self-cleaning mechanism ensure high reliability.
- RoHS Compliant



## Ordering Information

Type	No. of poles	Part numbers					
		Top actuated		Raised actuator		Side actuated	
			Quantity per tube		Quantity per tube		Quantity per box
Sealed	2	A6D-2100	73	A6D-2103	73	A6DR-2100	100
	4	A6D-4100	43	A6D-4103	43	A6DR-4100	50
	6	A6D-6100	30	A6D-6103	30	A6DR-6100	
	8	A6D-8100	23	A6D-8103	23	A6DR-8100	
	10	A6D-0100	19	A6D-0103	19	A6DR-0100	

**Important Note:** Switches cannot be water-washed.

## Specifications

### Characteristics

<b>Switching capacity</b>		30 mA at 30 VDC
<b>Minimum permissible load</b>		10 $\mu$ A at 3.5 VDC min.
<b>Contact resistance</b>		100 M $\Omega$ max.
<b>Insulation resistance</b>		10 M $\Omega$ min. (at 250 VDC)
<b>Dielectric strength</b>		500 VAC for 1 minute between terminals
<b>Operating force</b>		30 to 500 gf (0.3 to 4.9 N)
<b>Vibration resistance</b>	<b>Malfunction durability</b>	10 to 55 Hz, 1.5 mm double amplitude
<b>Shock resistance</b>	<b>Malfunction durability</b>	300 m/s <sup>2</sup> (30 G) min.
<b>Ambient operating temperature</b>		-20° to 70°C at 60% RH max. (with no icing or condensation)
<b>Ambient operating humidity</b>		35% to 95% RH (at 5 to 35°C)
<b>Service life</b>	<b>Mechanical</b>	5,000 operations min.
	<b>Electrical</b>	2,000 operations min.
<b>Weight</b>		Flat and raised actuators: 0.28g (2 poles), 0.45 g (4 poles), 0.65 g (6 poles), 0.80 g (8 poles), 1.0 g (10 poles) Side actuated: 0.53g (2 poles), 0.8 g (4 poles), 1.2 g (6 poles), 1.7 g (8 poles), 2.2 g (10 poles)

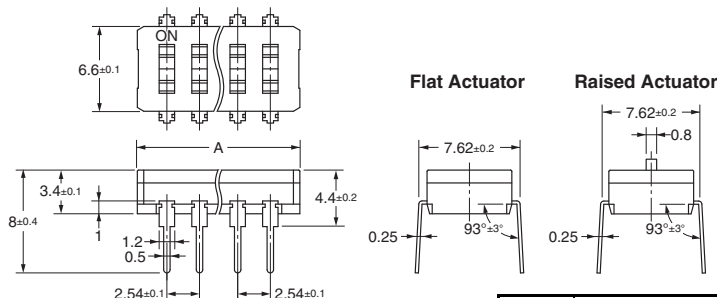
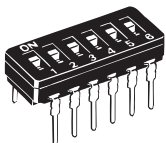
**Note:** Data shown are of initial value.

# 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.

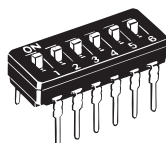
## Flat Actuator

A6D-□100



## Raised Actuator

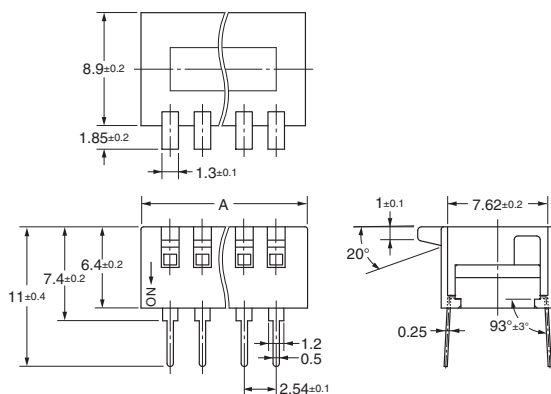
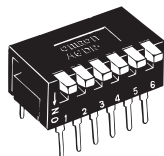
A6D-□103



No. of poles	Model		Dimension A $\pm 0.2$
	Flat Actuator	Raised Actuator	
2	A6D-2100	A6D-2103	7.1
4	A6D-4100	A6D-4103	12.2
6	A6D-6100	A6D-6103	17.3
8	A6D-8100	A6D-8103	22.4
10	A6D-0100	A6D-0103	27.4

## Piano type

A6DR-□100

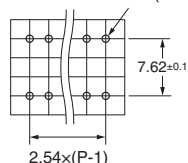


No. of poles	Model	Dimension A $\pm 0.2$
2	A6DR-2100	7.1
4	A6DR-4100	12.2
6	A6DR-6100	17.3
8	A6DR-8100	22.4
10	A6DR-0100	27.4

### Mounting Holes (Top View)

(Single-sided PCB,  $t=1.2$  to  $1.6$ )

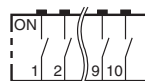
0.8 dia. (min.) holes \*



P: Pole numbers

\* 0.9 dia. for automatic insertion.

### Internal connections (Top View)



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  - Products:** Products and/or services of Seller
  - Including:** Including without limitation
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  - Delivery and shipping dates are estimates only; and
  - Seller will package Products as it deems proper for protection against normal handling and extra charges apply to special conditions.
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To convert millimeters into inches, multiply by 0.03937. To convert grams into ounces, multiply by 0.03527.

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**OMRON ELECTRONIC  
COMPONENTS LLC**

55 E. Commerce Drive, Suite B  
Schaumburg, IL 60173

**847-882-2288**

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