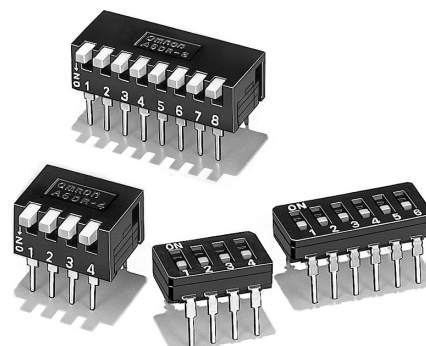


DIP Switch

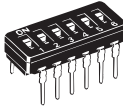
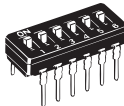
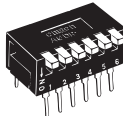
A6D/A6DR

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		Part numbers					
		Top actuated		Raised actuator		Side actuated	
							
	No. of poles		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

Switching capacity		30 mA at 30 VDC
Minimum permissible load		10 μ A at 3.5 VDC min.
Contact resistance		100 M Ω max.
Insulation resistance		10 M Ω min. (at 250 VDC)
Dielectric strength		500 VAC for 1 minute between terminals
Operating force		30 to 500 gf (0.3 to 4.9 N)
Vibration resistance	Malfunction durability	10 to 55 Hz, 1.5 mm double amplitude
Shock resistance	Malfunction durability	300 m/s ² (30 G) min.
Ambient operating temperature		-20° to 70°C at 60% RH max. (with no icing or condensation)
Ambient operating humidity		35% to 95% RH (at 5 to 35°C)
Service life	Mechanical	5,000 operations min.
	Electrical	2,000 operations min.
Weight		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)

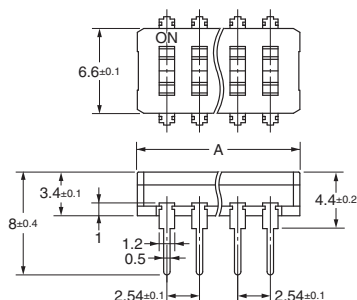
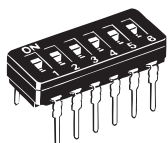
Note: Data shown are of initial value.

Dimensions

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

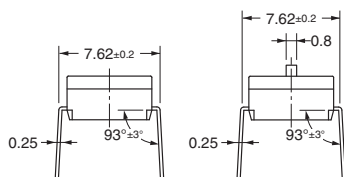
■ Flat Actuator

A6D-□100



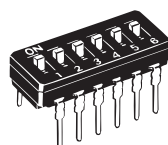
Flat Actuator

Raised Actuator



■ Raised Actuator

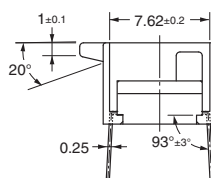
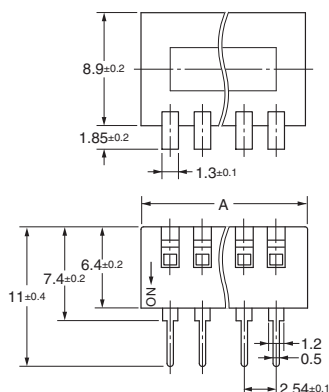
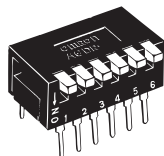
A6D-□103



No. of poles	Model		Dimension A±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

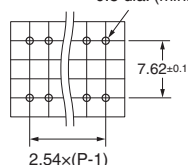


No. of poles	Model	Dimension A±0.2
2	A6DR-2100	7.1
4	A6DR-4100	12.2
6	A6DR-6100	17.3
8	A6DR-8100	22.4
10	A6DR-0100	27.4

Mounting Holes (Top View)

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

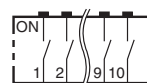
0.8 dia. (min.) holes *



P: Pole numbers

* 0.9 dia. for automatic insertion.

Internal connections (Top View)



Omron Electronic Components, LLC

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