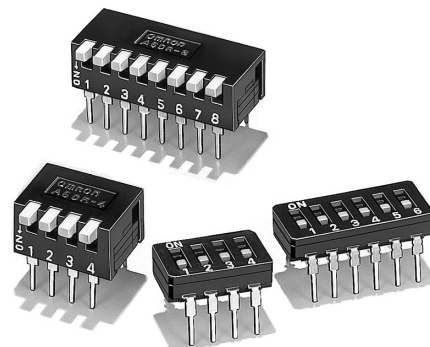


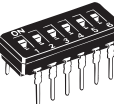
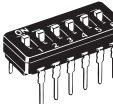
Through-hole Mounting DIP Switch with High Environmental Resistance by Sealed Construction

- Sealed structure 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.
- Gold-plated twin contacts ensure high reliability.



List of Models

Tube packaging (Slide)/ Unit box (Piano)

Type	Slide				Piano	
	Flat actuator		Raised actuator			
	No. of poles	Quantity per tube		Quantity per tube		Quantity per Unit box
2	73	A6D-2100	73	A6D-2103	100	A6DR-2100
3	54	A6D-3100	54	A6D-3103	—	—
4	43	A6D-4100	43	A6D-4103	50	A6DR-4100
5	35	A6D-5100	35	A6D-5103	—	—
6	30	A6D-6100	30	A6D-6103	50	A6DR-6100
7	26	A6D-7100	26	A6D-7103	—	—
8	23	A6D-8100	23	A6D-8103	50	A6DR-8100
9	20	A6D-9100	20	A6D-9103	—	—
10	19	A6D-0100	19	A6D-0103	50	A6DR-0100

Note: 1. Order in multiples of the package quantity.

2. Contact your OMRON sales representatives to request special markings or designations.

Ratings/Characteristics

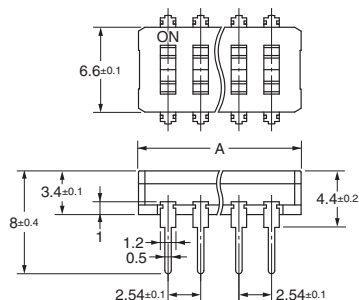
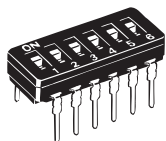
Rating (resistive load)		30 mA at 30 VDC 10 μ A (minimum current) at 3.5 VDC
Ambient operating temperature		-20 to +70°C at 60% max. (with no icing or condensation)
Ambient operating humidity		35% to 95% (at +5 to +35°C)
Insulation resistance		100 M Ω min. (at 250 VDC with insulation tester)
Contact resistance (initial value)		100 m Ω 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	2,000 operations min.
Washing		Possible
Degree of protection		Internally sealed (IEC IP64 equivalency)
Operating force		0.29 to 4.9 N {30 to 500 gf}
Weight		Slide: 0.28 g (2 poles), 0.45 g (4 poles), 0.65 g (6 poles), 0.80 g (8 poles), 1.0 g (10 poles) Piano: 0.53 g (2 poles), 0.8 g (4 poles), 1.2 g (6 poles), 1.7 g (8 poles), 2.2 g (10 poles)

■Dimensions (Unit: mm)

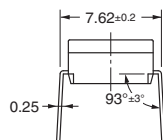
Slide

● Flat Actuator

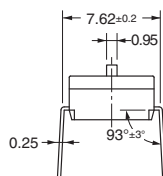
A6D-□100



Flat Actuator

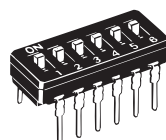


Raised Actuator



● Raised Actuator

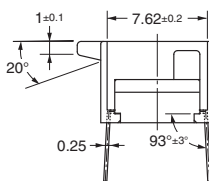
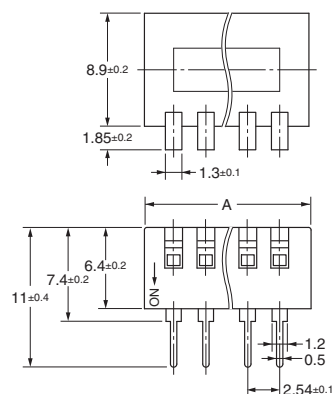
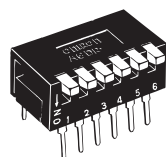
A6D-□103



No. of poles	Model		Dimension A±0.2
	Flat Actuator	Raised Actuator	
2	A6D-2100	A6D-2103	7.1
3	A6D-3100	A6D-3103	9.7
4	A6D-4100	A6D-4103	12.2
5	A6D-5100	A6D-5103	14.7
6	A6D-6100	A6D-6103	17.3
7	A6D-7100	A6D-7103	19.8
8	A6D-8100	A6D-8103	22.4
9	A6D-9100	A6D-9103	24.9
10	A6D-0100	A6D-0103	27.4

Piano

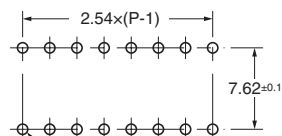
A6DR-□100



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

PCB Dimensions (Reference) (Top View)

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



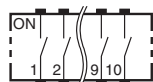
0.8 dia. (min.) holes * P: Number of Poles

* 0.9 dia. for automatic insertion.

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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