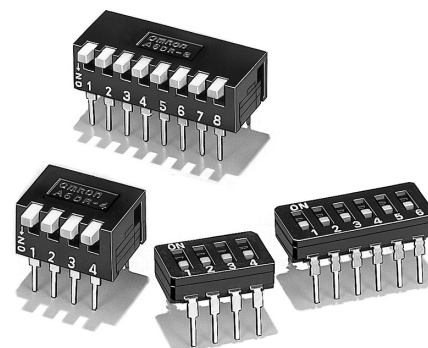


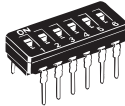
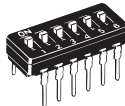
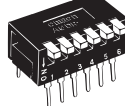
DIP Switch A6D/A6DR

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

| | | |
|--------------------------------------|-------------------------------|---|
| 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) |

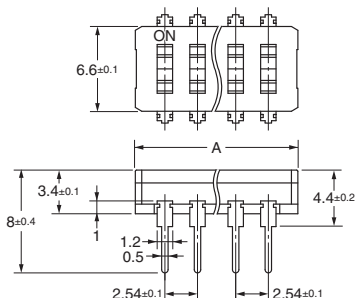
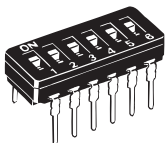
Note: Data shown are of initial value.

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.

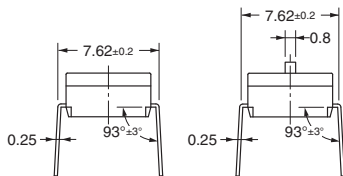
Flat Actuator

A6D-□100



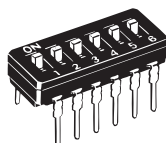
Flat Actuator

Raised Actuator



Raised Actuator

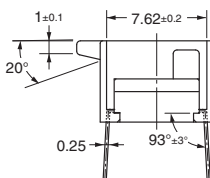
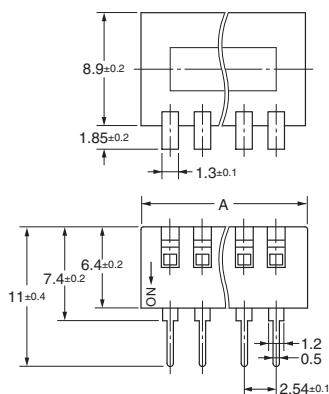
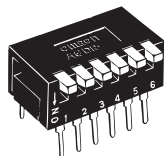
A6D-□103



| 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

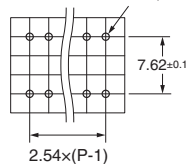


| No. of poles | Model | Dimension A ± 0.2 |
|--------------|-----------|-----------------------|
| 2 | A6DR-2100 | 7.1 |
| 4 | A6DR-4100 | 12.2 |
| 6 | A6DR-6100 | 17.3 |
| 8 | A6DR-8100 | 22.4 |
| 10 | A6DR-0100 | 27.4 |

Mounting Holes (Top View)

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

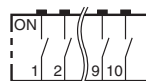
0.8 dia. (min.) holes *



P: Pole numbers

* 0.9 dia. for automatic insertion.

Internal connections (Top View)





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

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Specifications subject to change without notice

Printed in USA

DIP Switch **A6D/A6DR**