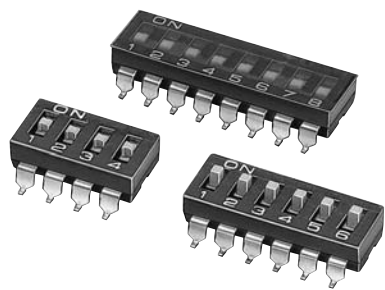


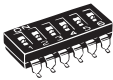
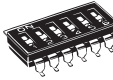
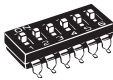
Previous (A6S) Model Upgraded to Surface-mounting Type with Increased Solder Heat Resistance

- RoHS Compliant
  - Designed to enable replacement of previous (A6S) model, featuring the same dimensions and improved solder heat resistance (peak solder temperature: 260°C).
  - Gold-plated twin contacts and a slide-type, selfcleaning mechanism ensure high reliability.
  - Washable models with seal tape available.
- Embossed taping models available for automatic mounting.



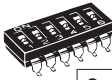
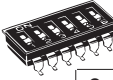
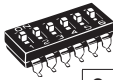
Ordering Information

■ Models in Stick Packages

| Type and color of actuator |                    | Flat (white)                                                                      |                                                                                   | Raised (white)                                                                    |
|----------------------------|--------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|                            |                    | Standard                                                                          | With seal tape                                                                    |                                                                                   |
| No. of poles               | Quantity per stick |  |  |  |
| 1                          | 130                | A6S-1101-H                                                                        | A6S-1102-H                                                                        | A6S-1104-H                                                                        |
| 2                          | 76                 | A6S-2101-H                                                                        | A6S-2102-H                                                                        | A6S-2104-H                                                                        |
| 3                          | 55                 | A6S-3101-H                                                                        | A6S-3102-H                                                                        | A6S-3104-H                                                                        |
| 4                          | 42                 | A6S-4101-H                                                                        | A6S-4102-H                                                                        | A6S-4104-H                                                                        |
| 5                          | 35                 | A6S-5101-H                                                                        | A6S-5102-H                                                                        | A6S-5104-H                                                                        |
| 6                          | 28                 | A6S-6101-H                                                                        | A6S-6102-H                                                                        | A6S-6104-H                                                                        |
| 7                          | 25                 | A6S-7101-H                                                                        | A6S-7102-H                                                                        | A6S-7104-H                                                                        |
| 8                          | 22                 | A6S-8101-H                                                                        | A6S-8102-H                                                                        | A6S-8104-H                                                                        |
| 9                          | 20                 | A6S-9101-H                                                                        | A6S-9102-H                                                                        | A6S-9104-H                                                                        |
| 10                         | 18                 | A6S-0101-H                                                                        | A6S-0102-H                                                                        | A6S-0104-H                                                                        |

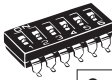
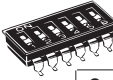
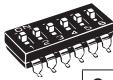
**Note:** Orders must be made in integral multiples of the quantities given for each stick. Switches cannot be water washed.

## ■ Models in Embossed Taping Packages (Standard Packing)

| Type and color of actuator | Flat (white)                                                                      |                      |                                                                                   |                      | Raised (white)                                                                    |                      |
|----------------------------|-----------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------|----------------------|
|                            | Standard                                                                          |                      | With seal tape                                                                    |                      |                                                                                   |                      |
|                            |  | Quantity per package |  | Quantity per package |  | Quantity per package |
| No. of poles               |                                                                                   |                      |                                                                                   |                      |                                                                                   |                      |
| 1                          | A6S-1101-PH                                                                       | 800                  | A6S-1102-PH                                                                       | 800                  | A6S-1104-PH                                                                       | 800                  |
| 2                          | A6S-2101-PH                                                                       | 900                  | A6S-2102-PH                                                                       | 900                  | A6S-2104-PH                                                                       | 700                  |
| 3                          | A6S-3101-PH                                                                       |                      | A6S-3102-PH                                                                       |                      | --- (See note 2.)                                                                 | ---                  |
| 4                          | A6S-4101-PH                                                                       |                      | A6S-4102-PH                                                                       |                      | A6S-4104-PH                                                                       | 700                  |
| 5                          | --- (See note 2.)                                                                 |                      | A6S-5102-PH                                                                       |                      | A6S-5104-PH                                                                       | 800                  |
| 6                          | --- (See note 2.)                                                                 |                      | A6S-6102-PH                                                                       |                      | A6S-6104-PH                                                                       | 700                  |
| 7                          | A6S-7101-PH                                                                       |                      | A6S-7102-PH                                                                       |                      | --- (See note 2.)                                                                 | ---                  |
| 8                          | A6S-8101-PH                                                                       |                      | A6S-8102-PH                                                                       |                      | A6S-8104-PH                                                                       | 700                  |
| 9                          | --- (See note 2.)                                                                 |                      | A6S-9102-PH                                                                       |                      | --- (See note 2.)                                                                 | ---                  |
| 10                         | --- (See note 2.)                                                                 |                      | A6S-0102-PH                                                                       |                      | --- (See note 2.)                                                                 | ---                  |

- Note:** 1. Orders must be made in integral multiples of the quantities given for each package. Switches are not sold individually.  
 2. Models with a different number of poles than those listed here can also be ordered. For details, consult your OMRON sales representative.

## ■ Models in Embossed Taping Packages (Small Quantity Packing)

| Type and color of actuator | Flat (white)                                                                      |                      |                                                                                   |                      | Raised (white)                                                                    |                      |
|----------------------------|-----------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------|----------------------|
|                            | Standard                                                                          |                      | With seal tape                                                                    |                      |                                                                                   |                      |
|                            |  | Quantity per package |  | Quantity per package |  | Quantity per package |
| No. of poles               |                                                                                   |                      |                                                                                   |                      |                                                                                   |                      |
| 2                          | --- (See note 2.)                                                                 | 400                  | A6S-2102-PMH                                                                      | 400                  | --- (See note 2.)                                                                 | 400                  |
| 3                          | A6S-3101-PMH                                                                      |                      | --- (See note 2.)                                                                 |                      | --- (See note 2.)                                                                 |                      |
| 4                          | A6S-4101-PMH                                                                      |                      | A6S-4102-PMH                                                                      |                      | A6S-4104-PMH                                                                      |                      |
| 6                          | A6S-6101-PMH                                                                      |                      | A6S-6102-PMH                                                                      |                      | A6S-6104-PMH                                                                      |                      |
| 8                          | A6S-8101-PMH                                                                      |                      | A6S-8102-PMH                                                                      |                      | A6S-8104-PMH                                                                      |                      |
| 10                         | A6S-0101-PMH                                                                      |                      | A6S-0102-PMH                                                                      |                      | A6S-0104-PMH                                                                      |                      |

- Note:** 1. Orders must be made in integral multiples of the quantities given for each package. Switches are not sold individually.  
 2. Models with a different number of poles than those listed here can also be ordered. For details, consult your OMRON sales representative.

■ Ratings/Characteristics

Specifications

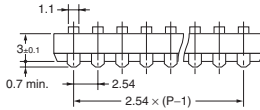
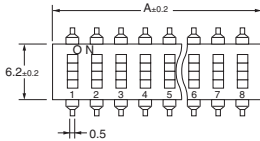
|                               |                                                                                                       |
|-------------------------------|-------------------------------------------------------------------------------------------------------|
| Switching capacity            | 25 mA at 24 VDC<br>10 $\mu$ A (minimum current) at 3.5 VDC                                            |
| Ambient operating temperature | −20°C to 70°C at 60% max. (with no icing or condensation)                                             |
| Ambient operating humidity    | 35% to 90% (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 of the same polarity, and between terminals of different polarity |
| Vibration resistance          | Malfunction: 10 to 55 Hz, 1.5-mm double amplitude                                                     |
| Shock resistance              | Malfunction: 300 m/s <sup>2</sup> min.                                                                |
| Life expectancy               | Mechanical: 1,000 operations min.<br>Electrical: 1,000 operations min.                                |
| Operating force               | Flat/raised type 0.29 N min. [30 gf]                                                                  |
| Weight                        | 0.25 g (2 poles), 0.41 g (4 poles), 0.58 g (6 poles), 0.73 g (8 poles), 0.87 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 with SMT Terminal  
Standard/With Seal Tape

A6S-□101-H  
A6S-□102-H

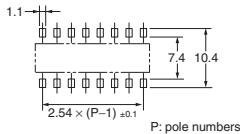


Raised Actuator  
with SMT Terminal

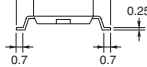
A6S-□104-H



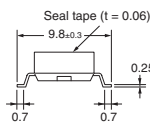
PCB Dimensions  
(Top View)



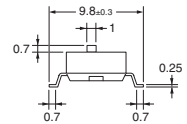
Flat Actuator  
Standard



With Seal Tape



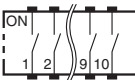
Raised Actuator



| No. of poles | Model      |            |            | Dimension A |
|--------------|------------|------------|------------|-------------|
| 1            | A6S-1101-H | A6S-1102-H | A6S-1104-H | 3.48        |
| 2            | A6S-2101-H | A6S-2102-H | A6S-2104-H | 6.02        |
| 3            | A6S-3101-H | A6S-3102-H | A6S-3104-H | 8.56        |
| 4            | A6S-4101-H | A6S-4102-H | A6S-4104-H | 11.10       |
| 5            | A6S-5101-H | A6S-5102-H | A6S-5104-H | 13.64       |
| 6            | A6S-6101-H | A6S-6102-H | A6S-6104-H | 16.18       |
| 7            | A6S-7101-H | A6S-7102-H | A6S-7104-H | 18.72       |
| 8            | A6S-8101-H | A6S-8102-H | A6S-8104-H | 21.26       |
| 9            | A6S-9101-H | A6S-9102-H | A6S-9104-H | 23.80       |
| 10           | A6S-0101-H | A6S-0102-H | A6S-0104-H | 26.34       |

Installation

■ Internal Connections (Top View)



**ALL DIMENSIONS SHOWN ARE IN MILLIMETRES.**

To convert millimetres into inches, multiply by 0.03937. To convert grams into ounces, multiply by 0.03527.