OMRON Slide DIP Switch

Slide DIP Switches with Ultla-low profile and Half-pitch

- Industry's lowest-class profile of 1.55 mm.
- Half-pitch (1.27-mm) design reduces mounting space by 63%.
 - (compared with conventional models)
- Washable, with seal tape available.
- Embossed taping available for small reel 100 pcs/ 500 pcs.

RoHS Compliant

■List of Models

Tube Packaging

2

4

6

8

10

Туре

Standard With seal tape Number of Quantity poles per tube A6H-2101 A6H-2102 125 A6H-4101 75 A6H-4102 A6H-6101 54 A6H-6102 A6H-8102 A6H-8101 40 A6H-0102 A6H-0101 33

Flat actuator

Note: Order in multiples of the package quantity.

Embossed Taping

Tuno	Flat actuator											
Туре	Standard						With seal tape					
	Control of the second						Constants					
Number of poles	Standard reel	Quantity per reel	Small reel	Quantity per reel	100 pcs reel	Quantity per reel	Standard reel	Quantity per reel	Small reel	Quantity per reel	100 pcs reel	Quantity per reel
2	A6H-2101- P	4,000	A6H-2101- PM	500	A6H-2101- R100	100	A6H-2102- P	4,000	A6H-2102- PM	500	A6H-2102- R100	100
4	A6H-4101- P		A6H-4101- PM		A6H-4101- R100		A6H-4102- P		A6H-4102- PM		A6H-4102- R100	
6	A6H-6101- P		A6H-6101- PM		A6H-6101- R100		A6H-6102- P		A6H-6102- PM		A6H-6102- R100	
8	A6H-8101- P		A6H-8101- PM		A6H-8101- R100		A6H-8102- P		A6H-8102- PM		A6H-8102- R100	
10	A6H-0101- P		A6H-0101- PM		A6H-0101- R100		A6H-0102- P		A6H-0102- PM		A6H-0102- R100	

Note: Order in multiples of the package quantity.



A6H

Quantity

per tube

125

75

54

40

33

■Ratings/Characteristics

Rating (resistive load)		25 mA at 24 VDC 10 μA (minimum current) at 3.5 VDC			
Ambient operating temp	perature	-20 to +70°C at 60% max. (with no icing or condensation)			
Ambient operating hum	idity	35% to 95% (at +5 to +35°C)			
Insulation resistance		100 M Ω min. (at 250 VDC with insulation tester)			
Contact resistance (init	ial value)	200 mΩ max.			
Dielectric strength Between terminals		300 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	1,000 operations min.			
Washing		Standard models: Not possible, Models with seal tape: Possible			
Degree of protection		IEC IP40			
Operating force		0.29 to 4.9 N {30 to 500 gf}			
Weight		0.06 g (2 poles) 0.09 g (4 poles) 0.12 g (6 poles) 0.15 g (8 poles) 0.18 g (10 poles)			

■Dimensions (Unit: mm)

1.45

0.1



Standard

A6H-□101 A6H-□101-P A6H-□101-PM

A6H-□101-R100



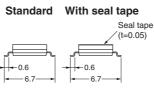
With Seal Tape A6H--102 A6H--102-P A6H--102-PM

A6H-102-R100

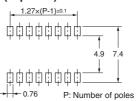


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P: Pole numbers



Dimensions of PCB Pad (Reference) (Top View)



No. of poles	Мо	Dimension A		
No. of poles	Standard	With seal tape	Dimension A	
2	A6H-2101	A6H-2102	3.77	
4	A6H-4101	A6H-4102	6.31	
6	A6H-6101	A6H-6102	8.85	
8	A6H-8101	A6H-8102	11.39	
10	A6H-0101	A6H-0102	13.93	

Note: Unless otherwise specified, a tolerance of ±0.4 mm applies to all dimensions.

Internal Connection Contact Form (Top View)



■Precautions

Be sure to read the Safety precautions common to all DIP Switches for correct use.

Application examples provided in this document are for reference only. In actual applications, confirm equipment functions and safety before using the product.
Consult your OMRON representative before using the product under conditions which are not described in the manual or applying the product to nuclear control systems, railroad systems, aviation systems, vehicles, combustion systems, medical equipment, amusement machines, safety equipment, and other systems or equipment that may have a serious influence on lives and property if used improperly. Make sure that the ratings and performance characteristics of the product provide a margin of safety for the system or equipment, and be sure to provide the system or equipment with double safety mechanisms.

Note: Do not use this document to operate the Unit.

OMRON Corporation

Electronic and Mechanical Components Company

Contact: www.omron.com/ecb

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