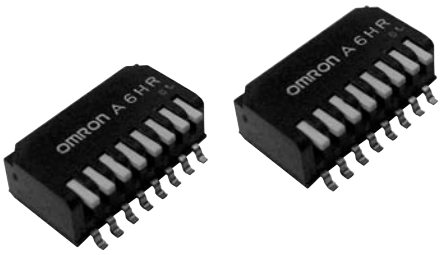
OMRON

Piano DIP Switch

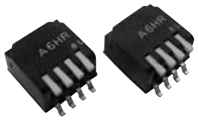
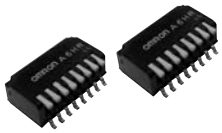
A6HR

Piano DIP Switches with Half-pitch

- Gold-plated twin contacts ensure high reliability.
- Embossed taping are available for small-reel 100 pcs/500 pcs.



■ List of Models

Type	Standard							
	Tube packaging		Embossed taping					
			Standard reel		Small reel			
								
No. of poles	Quantity per tube	Tube packaging	Quantity per reel	Embossed taping Standard reel	Quantity per reel	Embossed taping Small reel	Quantity per reel	Embossed taping 100 pcs reel
2	125	A6HR-2104	1,000	A6HR-2104-P	500	A6HR-2104-PM	100	A6HR-2104-R100
4	70	A6HR-4104		A6HR-4104-P		A6HR-4104-PM		A6HR-4104-R100
6	50	A6HR-6104		A6HR-6104-P		A6HR-6104-PM		A6HR-6104-R100
8	40	A6HR-8104		A6HR-8104-P		A6HR-8104-PM		A6HR-8104-R100
10	30	A6HR-0104		A6HR-0104-P		A6HR-0104-PM		A6HR-0104-R100

Note: Order in multiples of the package quantity.

■ Ratings/Characteristics

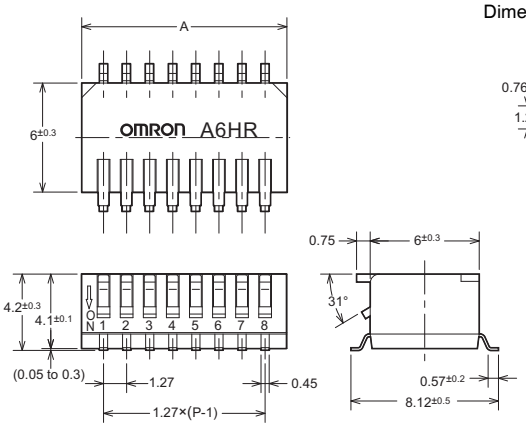
Rating (resistive load)		25 mA at 24 VDC 10 μA (minimum current) at 3.5 VDC
Ambient operating temperature		-30 to +85 °C at 60% max. (with no icing or condensation)
Ambient operating humidity		35% to 95% (at +5 to +35 °C)
Insulation resistance		100 MΩ min. (at 100 VDC with insulation tester)
Contact resistance (initial 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**	490 m/s^2 min.
Durability	**Electrical**	1,000 operations min.
Washing		Not possible
Degree of protection		IEC IP40
Operating force (OFF to ON)		0.29 to 4.9 N {30 to 500 gf}
Weight		0.13g (2 poles) 0.22g (4 poles) 0.3g (6 poles) 0.4g (8 poles) 0.48g (10 poles)

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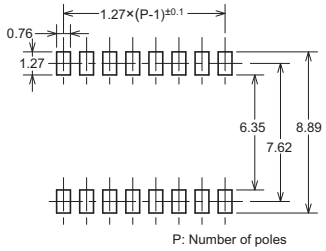
■ Dimensions (Unit: mm)

Standard
A6HR-☐104
A6HR-☐104-P
A6HR-☐104-PM
A6HR-☐104-R100





Dimensions of PCB pad (Reference)
(Top View)

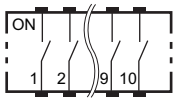


No. of poles	Models	Dimension A
2	A6HR-2104	3.67
4	A6HR-4104	6.21
6	A6HR-6104	8.75
8	A6HR-8104	11.29
10	A6HR-0104	13.83

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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