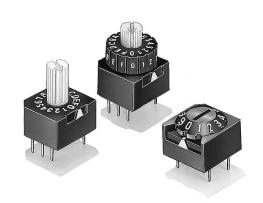
Sealed Rotary DIP Switch

Subminiature DIP Switch for High-Density Packaging

- Series includes a Cone type that can be operated from the top or side, an extended shaft type that can be operated while mounted on a panel, and a flat type.
- A slider lock and rotating PCB system achieve stable contact reliability.
- 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
- RoHS Compliant



Ordering Information

		Part Numbers						
		Standard (Cone)	Flat	Extended shaft	Thumbwheel			
Output code	No. of positions			1				
BCD 1-2-4-8	10	A6A-10R	A6A-10RF	A6A-10RS	A6A-10RW			
BCD 1-2-4-8 complement		A6A-10C	A6A-10CF	A6A-10CS	A6A-10CW			
BCD Hexadecimal 1-2-4-8	10	A6A-16R	A6A-16RF	A6A-16RS	A6A-16RW			
BCD Hexadecimal 1-2-4-8 complement	16	A6A-16C	A6A-16CF	A6A-16CS	A6A-16CW			

Important Note: Switches cannot be water-washed.

Specifications

■ Characteristics

Switching capacity		100 mA at 28 VDC, 1 mA at 5 VDC (minimum load)					
Contact resistance		200 M Ω max.					
Insulation resistance		10 M Ω min. (at 250 VDC)					
Dielectric strength		500 VAC for 1 minute between current-carrying metal part and ground 250 VAC for 1 minute between terminals					
Operating torque		120 to 250 g-cm (1.18 to 2.45 x 10 ⁻² N·m) max.					
Vibration resistance	Malfunction durability	10 to 55 Hz, 1.5 mm double amplitude					
Shock resistance	Malfunction durability	300 m/s² (30 G) min.					
Ambient operating temperating	erature	-10° to 70°C at 60% RH max. (with no icing or condensation)					
Ambient operating humic	lity	45% to 85% RH (at 5 to 35°C)					
Service life	Mechanical	10,000 detent operations min.					
	Electrical	2,000 detent operations min.					
Weight		Cone: Approx. 0.8 g Flat: Approx. 0.7 g Extended shaft: Approx. 0.8g Thumbwheel: Approx. 1.0g					

Note: Data shown are of initial value.

■ Output Codes

10-position Models

Туре	BCD 1-2-4-8				BCD 1-2-4-8 complement			
Terminal No. Position	1	2	4	8	1	2	4	8
0					•	•	•	•
1	•					•	•	•
2		•			•		•	•
3	•	•					•	•
4			•		•	•		•
5	•		•			•		•
6		•	•		•			•
7	•	•	•					•
8				•	•	•	•	
9	•			•		•	•	

Note: "●" indicates that the internal switch is ON.

16-position Models

Туре	BCD/hexadecimal 1-2-4-8				BCD/hexadecimal 1-2-4-8 complement			
Terminal No. Position	1	2	4	8	1	2	4	8
0					•	•	•	•
1	•					•	•	•
2		•			•		•	•
3	•	•					•	•
4			•		•	•		•
5	•		•			•		•
6		•	•		•			•
7	•	•	•					•
8				•	•	•	•	
9	•			•		•	•	
Α		•		•	•		•	
В	•	•		•			•	
С			•	•	•	•		
D	•		•	•		•		
E		•	•	•	•			
F	•	•	•	•				

Note: "●" indicates that the internal switch is ON.

Dimensions

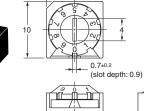
Note: 1. All units are in millimeters unless otherwise indicated.

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

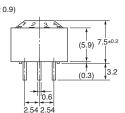
■ Standard (Cone) Type, 10 Positions

A6A-10C

A6A-10R



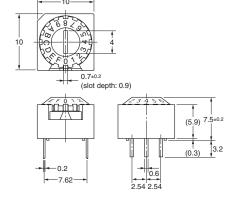




■ Standard (Cone) Type, 16 Positions

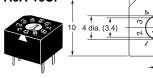
A6A-16R A6A-16C

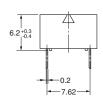


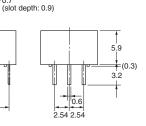


■ Flat Type, 10 Positions

A6A-10RF A6A-10CF

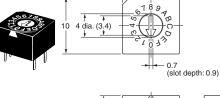




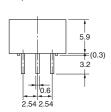


■ Flat Type, 16 Positions

A6A-16RF A6A-16CF



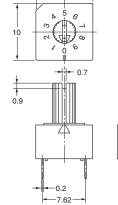


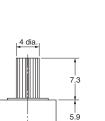


■ Extended Shaft Type, 10 Positions

A6A-10RS A6A-10CS





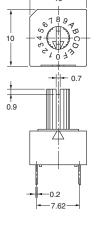


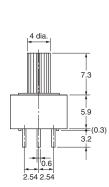
(0.3) 3.2

■ Extended Shaft Type, 16 Positions

A6A-16RS A6A-16CS



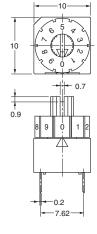


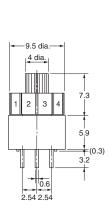


■ Thumbwheel Type, 10 Positions

A6A-10RW A6A-10CW



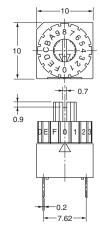


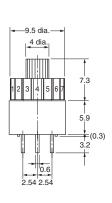


■ Thumbwheel Type, 16 Positions

A6A-16RW A6A-16CW







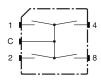
Terminal arrangement (bottom view)



Mounting holes (Top view)



Internal connections (top view)





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