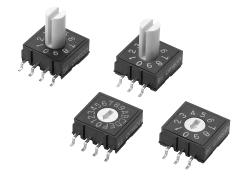
OMRON Rotary DIP Switch

A6RS

Surface Mounting Rotary DIP Switches

- Flat/Extended-actuator models are available.
- Terminal arrangement of 4 × 1 and 3 × 3 allow high flexibility in the PCB design
- Embossed 100 pcs reel type is recommended for flexible demand.

RoHS Compliant



■List of Models

		Туре	e Top-actuated, Flat					
				Embossed taping				
Number of positions	Terminal arrangement	Output code	Quantity per tube	Tube packaging	Quantity per reel	Quantity per reel	Quantity per reel	100 pcs reel
10	4 × 1	BCD Decimal	48 A6RS-1	A6RS-101RF	- 750	A6RS-101RF-P	100	A6RS-101RF-R100
10	3 × 3			A6RS-102RF		A6RS-102RF-P		A6RS-102RF-R100
16	4 × 1	BCD Hexadecimal		A6RS-161RF		A6RS-161RF-P		A6RS-161RF-R100
10	3 × 3			A6RS-162RF		A6RS-162RF-P		A6RS-162RF-R100
		Туре	Top-actuated, Extended-actuator					
							No. of Concession, No. of Conces	

			ITTU ITT						
					Embossed taping				
Number of positions	Terminal arrangement	Output code	Quantity per tube	Tube packaging	Quantity per reel	Embossed taping	Quantity per reel	100 pcs reel	
10	4 × 1	BCD Decimal	- 48	A6RS-101RS	250	A6RS-101RS-P	100	A6RS-101RS-R100	
10	3 × 3			A6RS-102RS		A6RS-102RS-P		A6RS-102RS-R100	
16	4 × 1	BCD Hexadecimal		A6RS-161RS		A6RS-161RS-P		A6RS-161RS-R100	
10	3 × 3			A6RS-162RS		A6RS-162RS-P		A6RS-162RS-R100	

Note: Order in multiples of the package quantity.

■Ratings/Characteristics

Rating (resi	stive load)	25 mA at 24 VDC 10 μA (minimum current) at 3.5 VDC			
Ambient oper temperature	rating	-25 to +80°C at 60% max. (with no icing or condensation)			
Ambient oper humidity	rating	35% to 95% (at +5 to +35°C)			
Insulation res	sistance	100 M Ω min. (at 250 VDC with insulation tester)			
Contact resistance (initial value)		200 m Ω max.			
Dielectric strength	Between terminals	250 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	5,000 steps min.			
Washing		Not possible			
Degree of protection		IEC IP60			
Operating torque		1.96×10^{-2} N·m {2 gf·m} max.			
Weight		Flat: Approx. 0.6 g Extended-actuator: Approx. 0.73 g			

■Output Codes

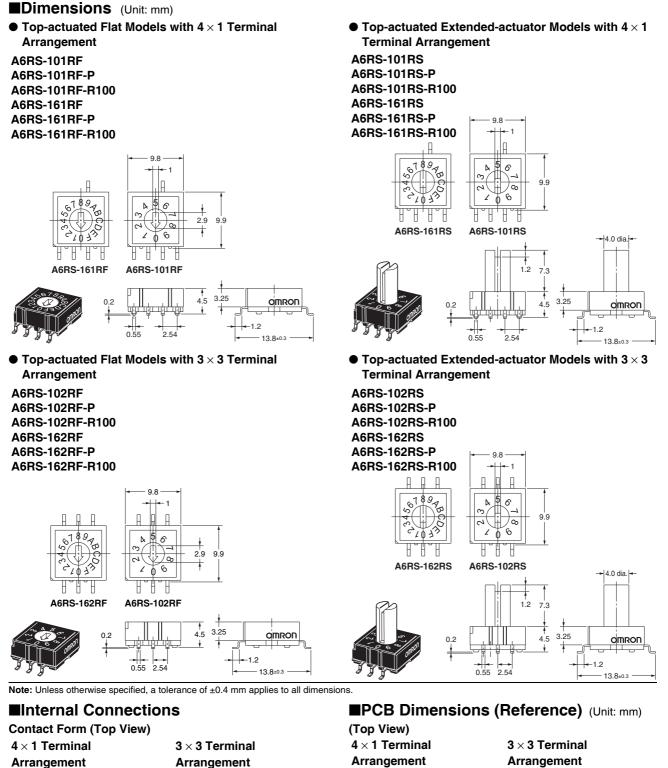
10-position Models

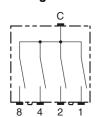
16-position Models

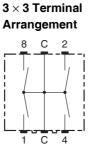
Code	BCD Decimal code				
Position	1	2	4	8	
0					
1	٠				
2		•			
3	•	•			
4			٠		
5	•		•		
6		•	•		
7	•	•	٠		
8				•	
9	•			•	

Code	BCD Hexadecimal code				
Position	1	2	4	8	
0					
1	•				
2		•			
3	•	•			
4			•		
5	•		•		
6		•	•		
7	•	•	•		
8				•	
9	•			•	
Α		•		•	
В	•	•		•	
C			•	•	
D	•		•	•	
E		•	•	•	
F	•	•	•	•	

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







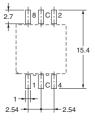


1121i l8li

15.4

- P=2.54

P: Pole numbers



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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