

### Characteristics

1. This is an ultra-compact rotary switch newly developed by OTAX for logic-level circuits.
2. The contact area features nickel/gold plating and adopts a wiping method, ensuring stable performance for small currents.
3. A metal insert molding is used in the contact area, and the fully sealed structure prevents flux penetration into the interior.
4. The JRA type comes with an externally adjustable variable stopper, allowing the number of rotations to be set as desired.
5. The JRE type includes an O-ring for panel splash-proofing.

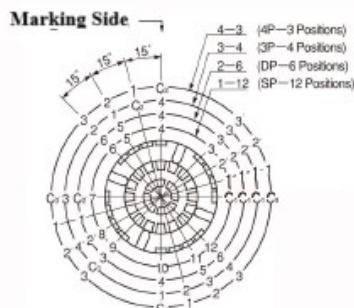
### Main Specifications

Ratings	0.4VA DC20V Max.
Contact Resistance	Max. 100 mΩ
Dielectric Strength Voltage	AC500V 1 minute
Insulating Resistance	Min. 100 MΩ
Electrical Life	10,000 steps
Temperature Range for Usage	-20 deg C - 70 deg C
Temperature Range for Storage	-20 deg C - 70 deg C
Operating Force	98 mN·m Max.

### Product Designation

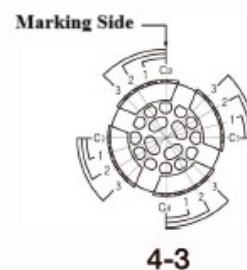
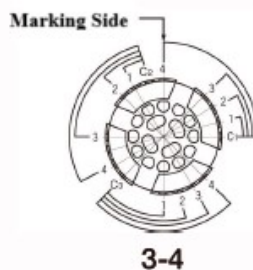
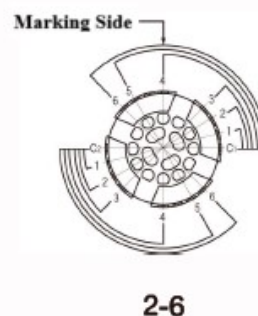
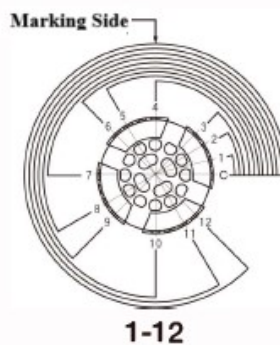
Series Name	J	R	A	1	12
Symbol	RA	RE	Types	Standard	Splash-proof
Symbol	1-12	2-6	3-4	4-3	Circuits
1 SP	2 DP	3 3P	4 4P	Positions	12
6	4	3	3		

### Hole Diagrams for PWB



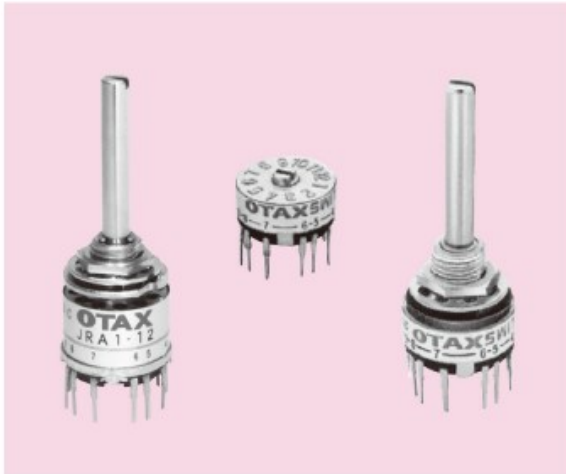
- 1-12 13— $\phi 0.8$  (Min) P=12  $\phi$   
 2-6 14— $\phi 0.8$  (Min) P=12  $\phi$   
 3-4 15— $\phi 0.8$  (Min) P=12  $\phi$   
 4-3 16— $\phi 0.8$  (Min) P=12  $\phi$

As seen from the bottom of the switch.  
 The charts in the right side are enlarged ones.



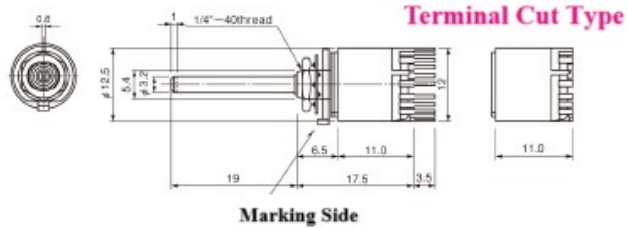
\* Inquire us for those except shown above.



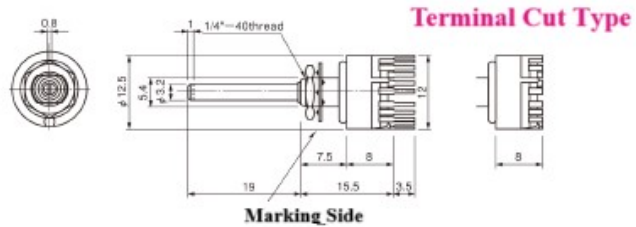


### Standard Dimensions

**Standard Type**  
**JRA □-□**

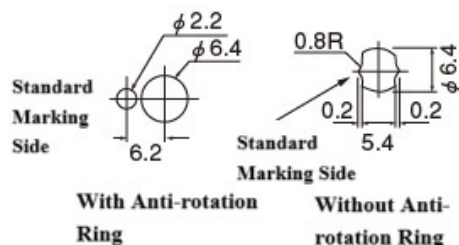


**Splash-proof type**  
**JRE □-□**





### Dimensions of Holes



### Dip Soldering Condition

Max. 270 deg. C within 5 seconds

### Standard Packing Quantity

25 pcs x 40 cases = 1,000 pcs

### How to set the Stopper for JRA type

1. Set the stop at the standard mark.
2. Rotate the shaft counterclockwise until the stopper position.
3. Insert the second stopper plate into the hole with the number added two to the desired number of the position.  
e.g., If 1-6 is desired, insert the second plate into the eighth hole counting from the start hole.



Standard mark

\* For 1-12 type, two stopper plates are attached.

\* Please consult us if you require additional number of positions.

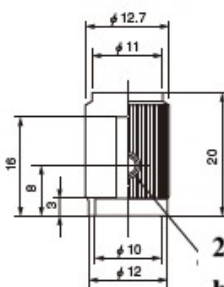
### Standar Knobs



Alminum Knurling  
Finish  
Black  
Marking: White  
Type No. 68254907



Alminum Knurling  
Finish  
Silver  
Marking: Black  
Type No. 68254908



2 x #6-32 UNC with  
hexagonal holes

For the assembly of the knurling  
finish Knobs, please use hex wrench  
#6-32UNC.