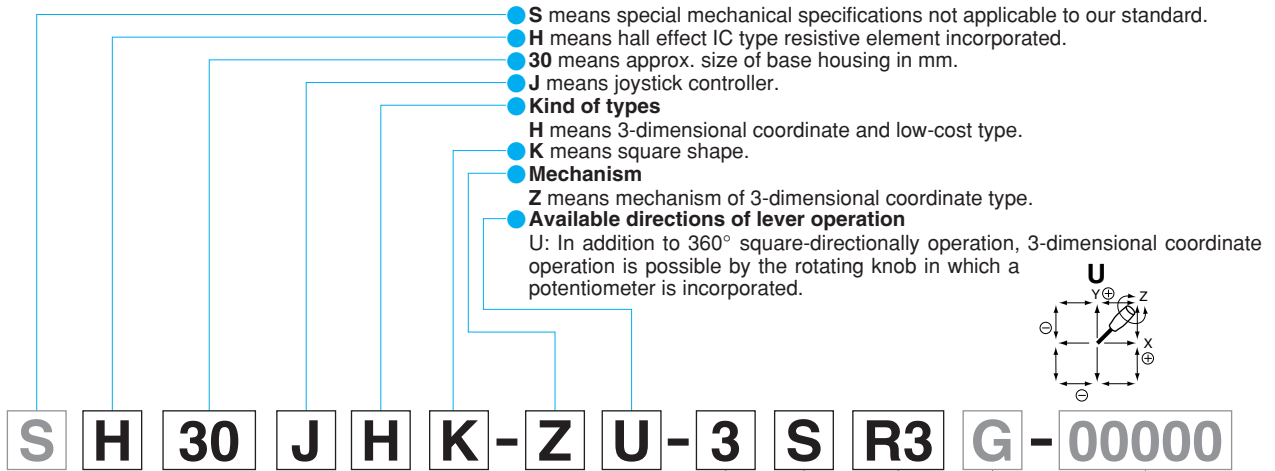


# H30JH

New Product

Potentiometer with a hall effect IC type resistive element

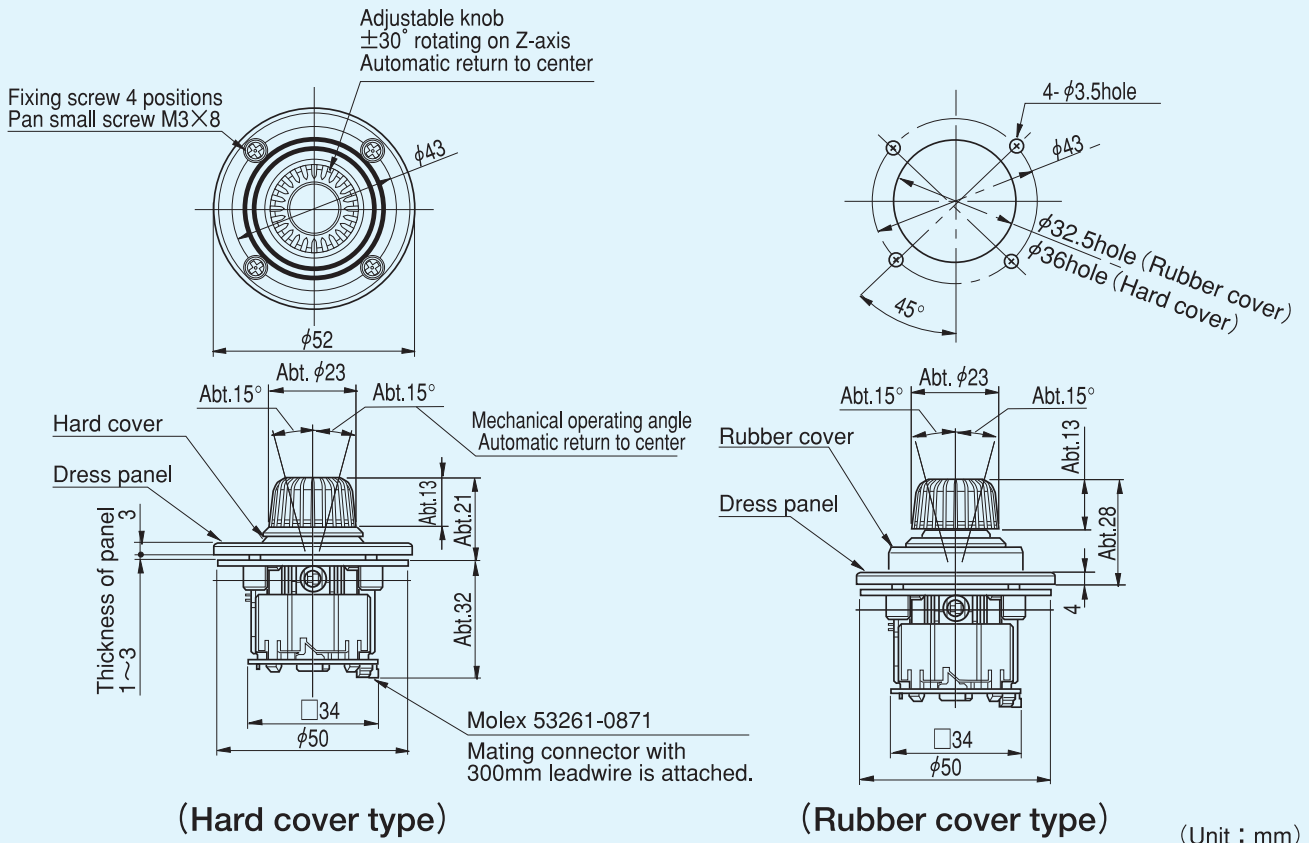
## Nomenclature



**Number of potentiometers to be incorporated**  
 0...no potentiometer incorporated. 1...1 potentiometer incorporated.  
 2...2 potentiometers incorporated. 3...3 potentiometers incorporated.  
**Number of output and kind of output characteristic**  
 S...single output. X...dual cross output. P...dual parallel output.  
**With spring return device:**  
 R3 : with spring return device for 3-dimensional coordinate type.  
**Mounting accessories:**  
 G : with dust proof rubber cover. P : with sub-panel for mounting.  
**Special part number:**  
 In case we produce customized products, we add 4-digit or 5-digit branch number.

## Standard Dimensions

### Panel Arrangements





**H30JHK-ZU-3SR3**  
(Hard cover type)



**H30JHK-ZU-3SR3G**  
(Rubber cover type)

## STANDARD SPECIFICATIONS

### ● Mechanical performance

**Controlling range of operating lever:** 3-dimensional coordinate type

X and Y directions:  $\pm 12.5^\circ \sim \pm 17.5^\circ$  from center position

Z directions:  $\pm 30^\circ \sim \pm 35^\circ$  from center position

**Operating force**(Standard spring return device : Automatically return to center)

X and Y directions: Approx.1.5~3N(150~300gf)

(X and Y directions with rubber cover: Approx.1.5~3.5N(150~350gf))

Z direction: Approx.10~30mN·m(100~300gf·cm)

**Operating temperature range:**  $-20^\circ\text{C} \sim +60^\circ\text{C}$

**Vibration:** 10~55Hz 98m/s<sup>2</sup>

**Shock:** 294m/s<sup>2</sup>

**Life expectancy:** Approx.1,000,000 operations.

**Mass:** Approx.50g

### ● Electrical performance

**Hall effect IC type resistive element incorporated**

● Applied voltage: 5V  $\pm 10\%$  D.C.

● Effective output: Approx.0.5V~4.5V

● Electrical rotating angle: X and Y-axis: Approx.  $\pm 15^\circ$  Z-axis: Approx.  $\pm 30^\circ$

● Independent linearity tolerance:  $\pm 3\%$

● Load resistance: over 10K $\Omega$

**Dielectric strength:** 1 minute at 250V.A.C.

**Insulation resistance:** Over 100M $\Omega$  at 250V.D.C.

**EMC durability:** 50V/m

### ● Output Characteristic

### ● Terminal Connection Diagram

