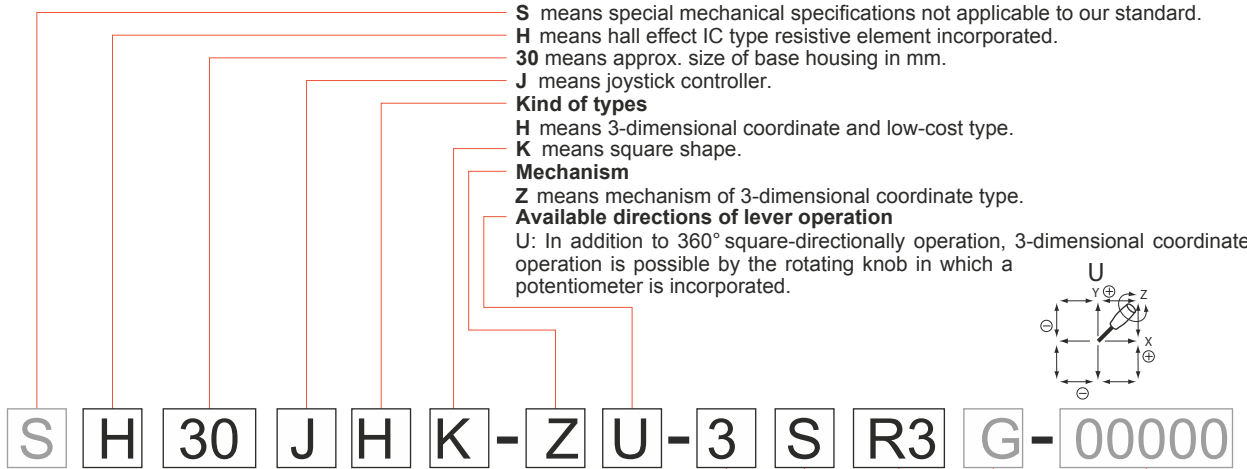




Model H30JH (3-dimensional coordinate type) Potentiometer with a hall effect IC type resistive element

Nomenclature



Number of potentiometers to be incorporated
 0 no potentiometer incorporated. 1 potentiometer incorporated.
 2 potentiometers incorporated. 3 potentiometers incorporated.

Number of output and kind of output characteristic
S: single output. **X**: dual cross output. **P**: dual parallel output.

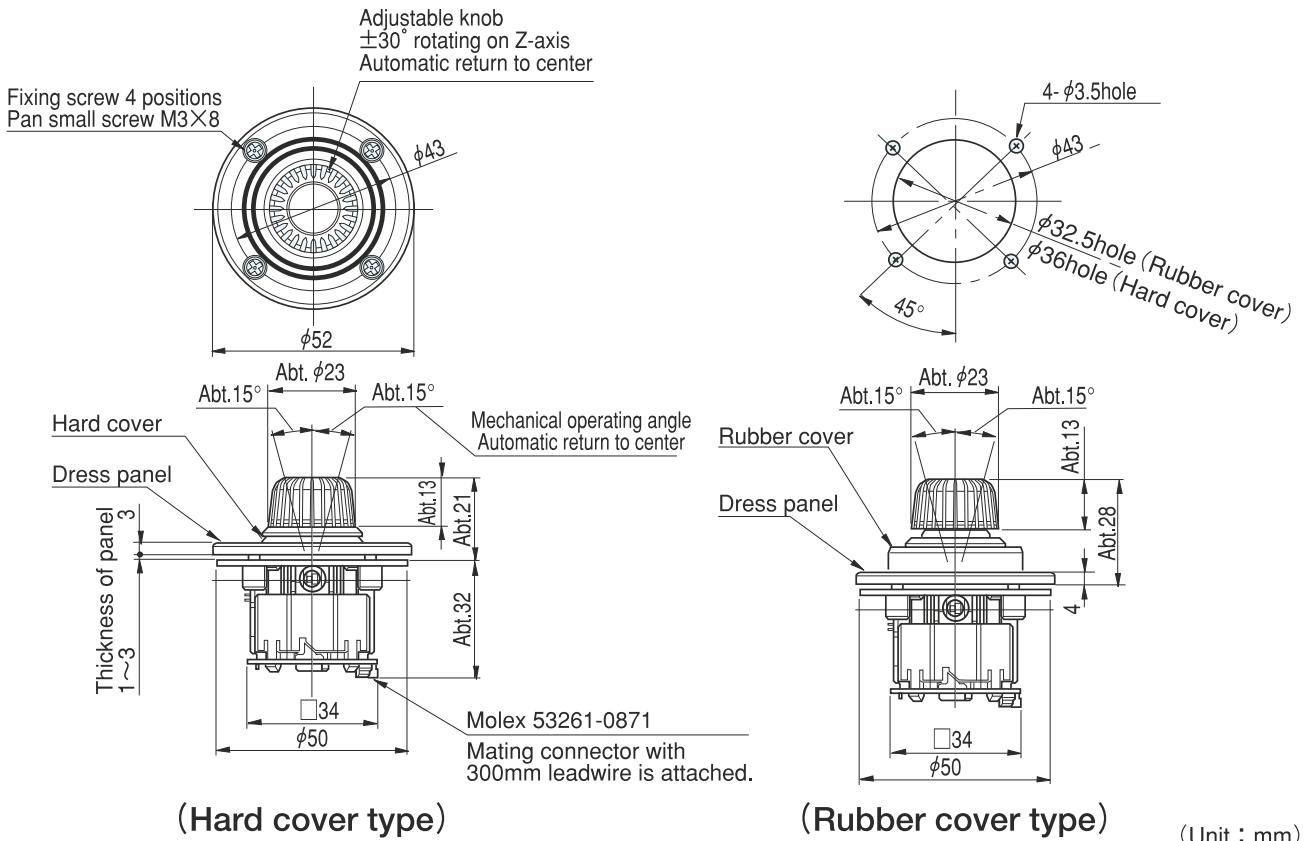
With spring return device:
R3: with spring return device for 3-dimensional coordinate type.

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



■ 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 °C~60 °C
Vibration : 10 ~ 55Hz 98m/s²
Shock : 294m/s²
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 Ω

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

Insulation resistance: Over 100M Ω at 250V.D.C.

EMC durability: 50V/m



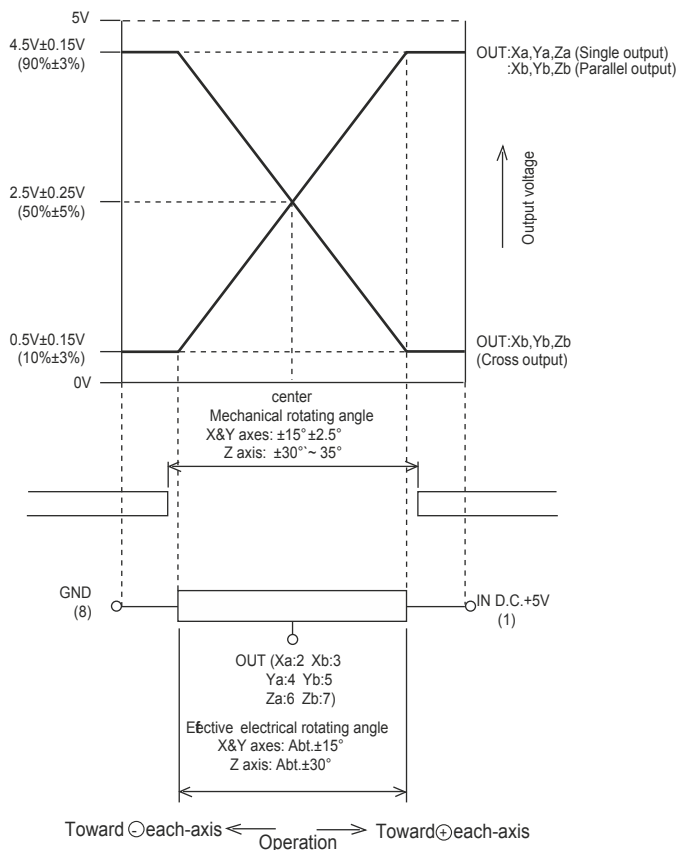
H30JHK-ZU-3SR3
(Hard cover type)



H30JHK-ZU-3SR3G
(Rubber cover type)

Output characteristic

Terminal connection diagram



Note1: The number in () shows connector number.

Note2: In (1) and GND (8) are shown in main circuit board.

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