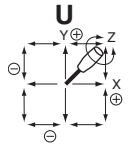
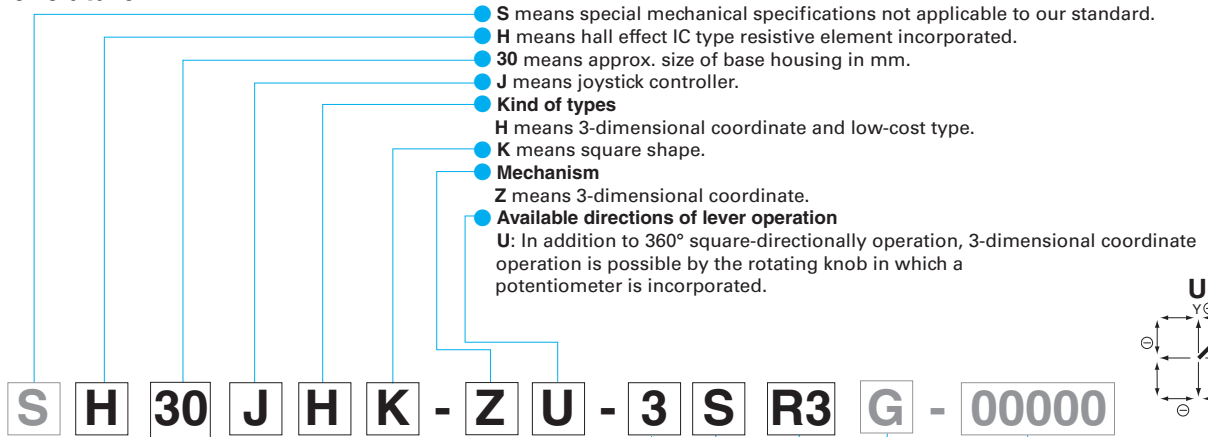


H30JH

● 3-dimensional coordinate ● With a hall effect IC

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:

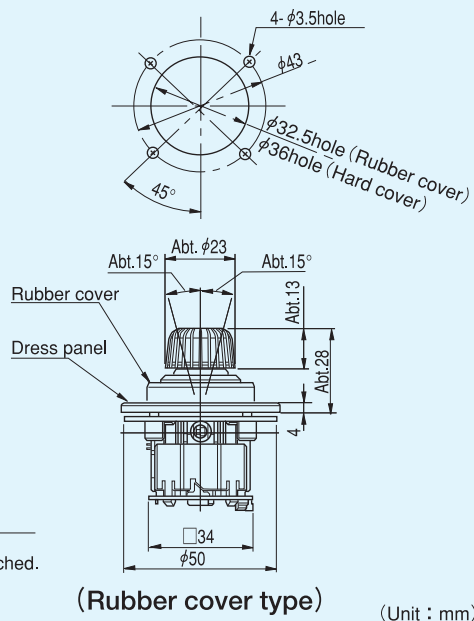
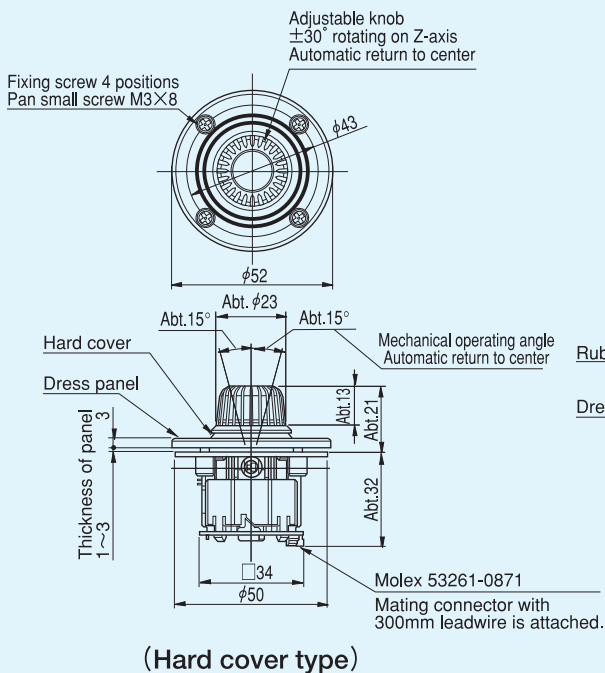
G : with dust proof rubber cover. P : with sub-panel for mounting.

Special part number:

In case we produce customized products, we add 4 or 5-digit branch number.

Standard Dimensions

Panel Arrangements





30JHK-ZU-3SR3
(Hard cover type)



H30JHK-ZU-3SR3G
(Rubber cover type)

STANDARD SPECIFICATIONS

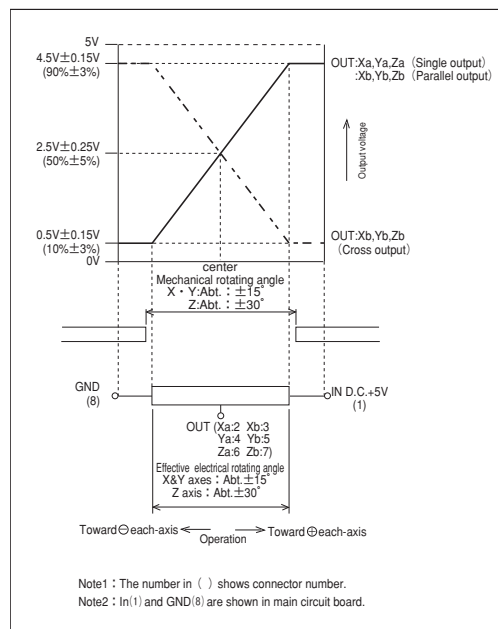
Mechanical Performance

Controlling range of operating lever	3-dimensional coordinate type X and Y directions: Approx. $\pm 15^\circ$ from center position Z directions: Approx. $\pm 30^\circ$ 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/s ²
Shock	294m/s ²
Life expectancy	Approx. 1,000,000 operations.
Mass	Approx. 50g

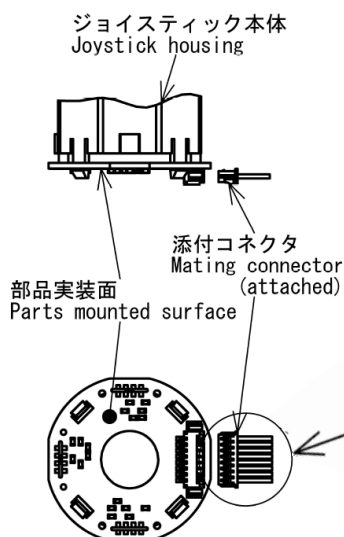
Electrical Performance

Hall effect IC type resistive element incorporated	<ul style="list-style-type: none"> 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 10KΩ
Dielectric strength	1 minute at 250V.A.C.
Insulation resistance	Over 100M Ω at 250V.D.C.
EMC durability	50V/m (80MHz~1GHz 1KHz sine-wave 80%AM modulation)

Terminal Connection Diagram



H30JHK コネクタ接続図 Connection diagram



ピン番号 Pin No.	標準 Standard	クロス又は パラレル Cross or parallel output
No. 8 (灰 Gray)	GND	GND
No. 7 (紫 Purple)	—————	Z OUT-B
No. 6 (青 Blue)	Z OUT-A	Z OUT-A
No. 5 (緑 Green)	—————	Y OUT-B
No. 4 (黄 Yellow)	Y OUT-A	Y OUT-A
No. 3 (橙 Orange)	—————	X OUT-B
No. 2 (赤 Red)	X OUT-A	X OUT-A
No. 1 (茶 Brown)	IN D.C.+5	IN D.C.+5