



Feature

- 1.Compact units,high responsive.
- 2.Superb proportional control.
- 3.Longlife,10 million cycles min.
- 4.EMC protected,sealed to Ip65.

FJH50 Series Hall Effect Sensor

Electrical characteristics

- Power supply.....DC 5V +/- 10%
- Output voltage at centre..... 2.5V +/- 120mV
- Power rating.....0.1W
- Output voltage at tap.....2.5V $\pm$ 80mV
- Current consumption.....Less than 20mA
- Output voltage span.....0.5V~4.5V
- Centre tap impedance.....1K
- Load resistance..... Over 10k Ω
- Independent linearity tolerance.....+/- 3%
- Electrical deflection angle..... +/- 19°
- EMC durability.....100 V/m

Mechanical characteristics

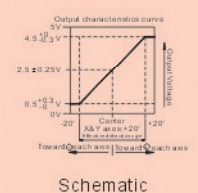
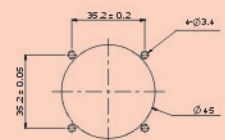
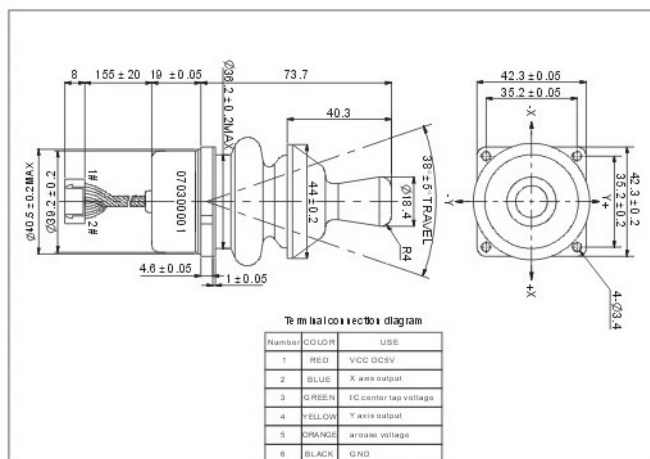
- Operating angle of angle.....38 $\pm$ 5°
- Operating force of lever350 $\pm$ 150gf
- Pull strength of handle..... Over 1.5Kgf for 3Sec.Min
- Push strength10Kgf for 10s
- Stopper strength of lever..... Over 10Kgf for 3Sec. Min

Environmental characteristics

- Storage temperature-40°C to +70°C
- Operating temperature..... -25°C to +70°C

- Seal above panelIP 65
- Life cycles.....10 million min
- Dry heat $80 \pm 2^{\circ}\text{C}$, 96H
- Cold..... $-30 \pm 2^{\circ}\text{C}$, 96H
- Damp heat..... $40 \pm 2^{\circ}\text{C}$, 90~95RH, 96H
- Temperature cycles..... $-10^{\circ}\text{C} \sim +60^{\circ}\text{C}$, 5 Cycles

FJH50-01



FJH50-02

