

Position sensor SS-2

- Stroke detection -



■ Application

Detecting the up and down of gear pedal in the Quick-Shifter-System with motorcycle

■ Summary

Position sensor which detects stroke position.

Built-in spring for realizing load feeling according to application.

■ Features

- 1) High load correspondence
- 2) High accuracy (Multi-point adjustable)
- 3) High durability (Over 1.5 million operations)
- 4) High airtightness

■ Specifications

Type	Hall IC(Linear)
Operating temperature range	-10℃ ~ +85℃
Storage temperature range	-20℃ ~ +85℃
Supply voltage	DC 5V ±0.5V※
Output	Analog or PWM
Output voltage	0.5V ~ 4.5V ※ (Analog)
Load range	±400N(PUSH/PULL)
Stroke range	±1.6mm(PUSH/PULL)
Output voltage accuracy	±2.5%FS(Load reference) ±1.5%FS(Stroke reference)
Output resolution	12bit
Consumption current	Max.11mA
Number of terminal	3 terminals (GND, VCC, Vout)

※The output voltage is proportional to the supply voltage. (The ratio metric system)