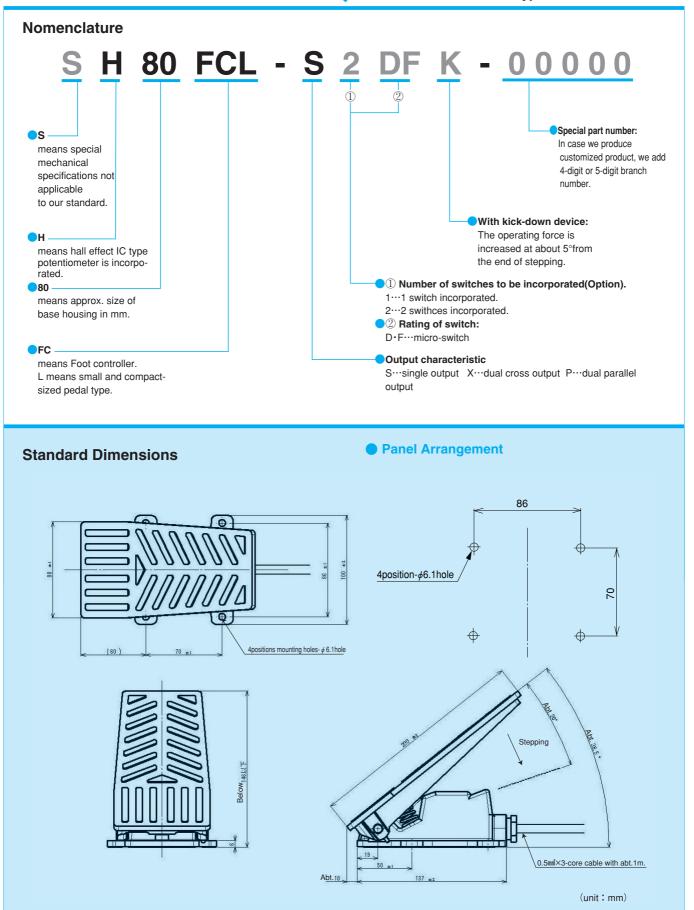


Potentiometer with a hall effect IC type resistive element





STANDARD SPECIFICATIONS

Mechanical performance

Operating method: Stepping pedal type.

Operating angle: Approx.20°

Operating force: Standard automatic spring

return device.

Abt.10N~60N(Abt.1,000gf.~6,000gf.)

Operating temperature range: $-20^{\circ}\text{C} \sim +65^{\circ}\text{C}$

Vibration: 10~55Hz 98m/s² **Shock**: 294m/s²(11ms)

Life expectancy: Approx.2,000,000 operations.

Mass: Approx.850g

Electrical performance

Hall effect IC type potentiometer is incorporated: SHSM18E, hall effect IC type single-turn contactless potentiometer.

• Applied voltage: 5V±10% D.C.

● Output range: Apporx.10%~90% Vin

• Independent linearity tolerance: ±3%

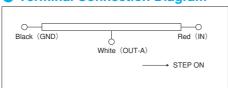
Dielectric strength: 1 minute at 250V.A.C. Insulation resistance: Over 100M Ω at 250V.D.C.

EMC durability: $100V/m(80MHz\sim1GHz 1KHz)$

sine-wave 80%AM modulation)

ESD durability: \pm 8 KV contact discharge/ \pm 15KV aerial discharge.

Terminal Connection Diagram



Optional specifications

With switch mounted:

D version switch: SW "ON" at about 3° from the beginning of stepping under 1V \pm 0.3V.D.C. output.

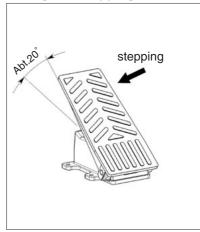
F version switch: SW "ON" at about 3° from the end of stepping under 4V±0.3V.D.C. output.

With kick-down device: Operating force is increased at about 5° from the end of stepping (Max.approx.250N)

With special output: Dual parallel output, Dual cross output.

Note:For output characteristics, activation points of switch and terminal connection diagrams, please see below.

Angle of stepping





H80FCL-S

Output Characteristics

