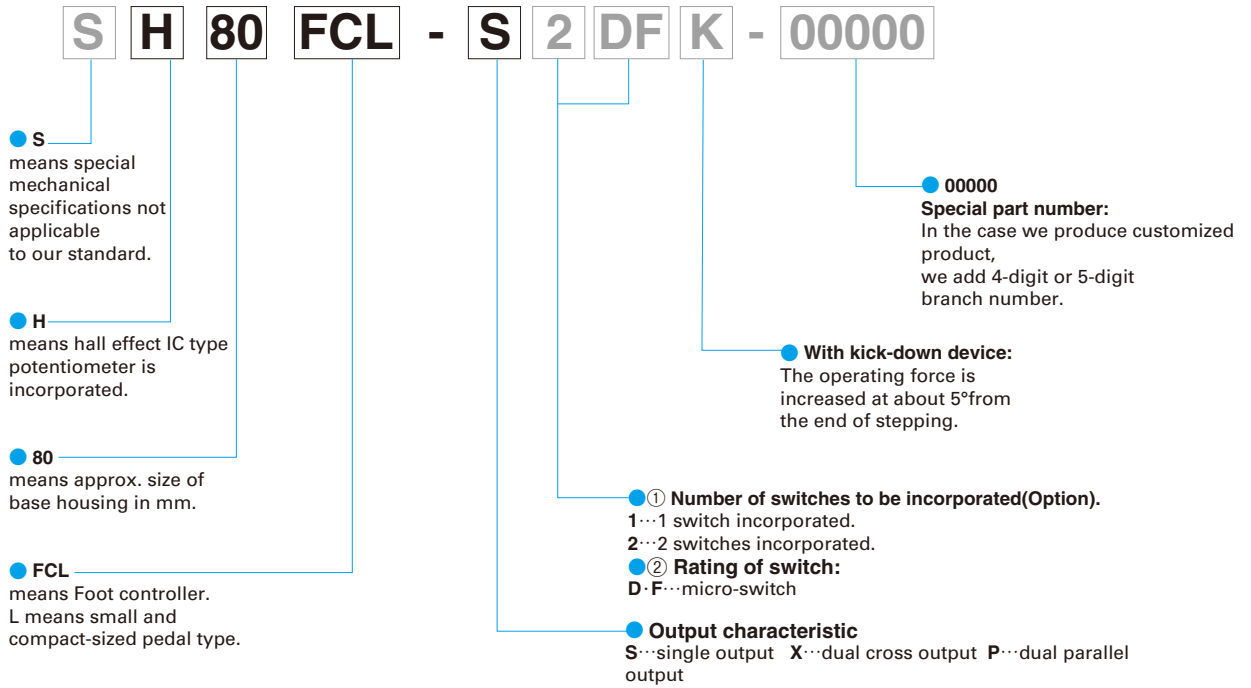


# H80FCL

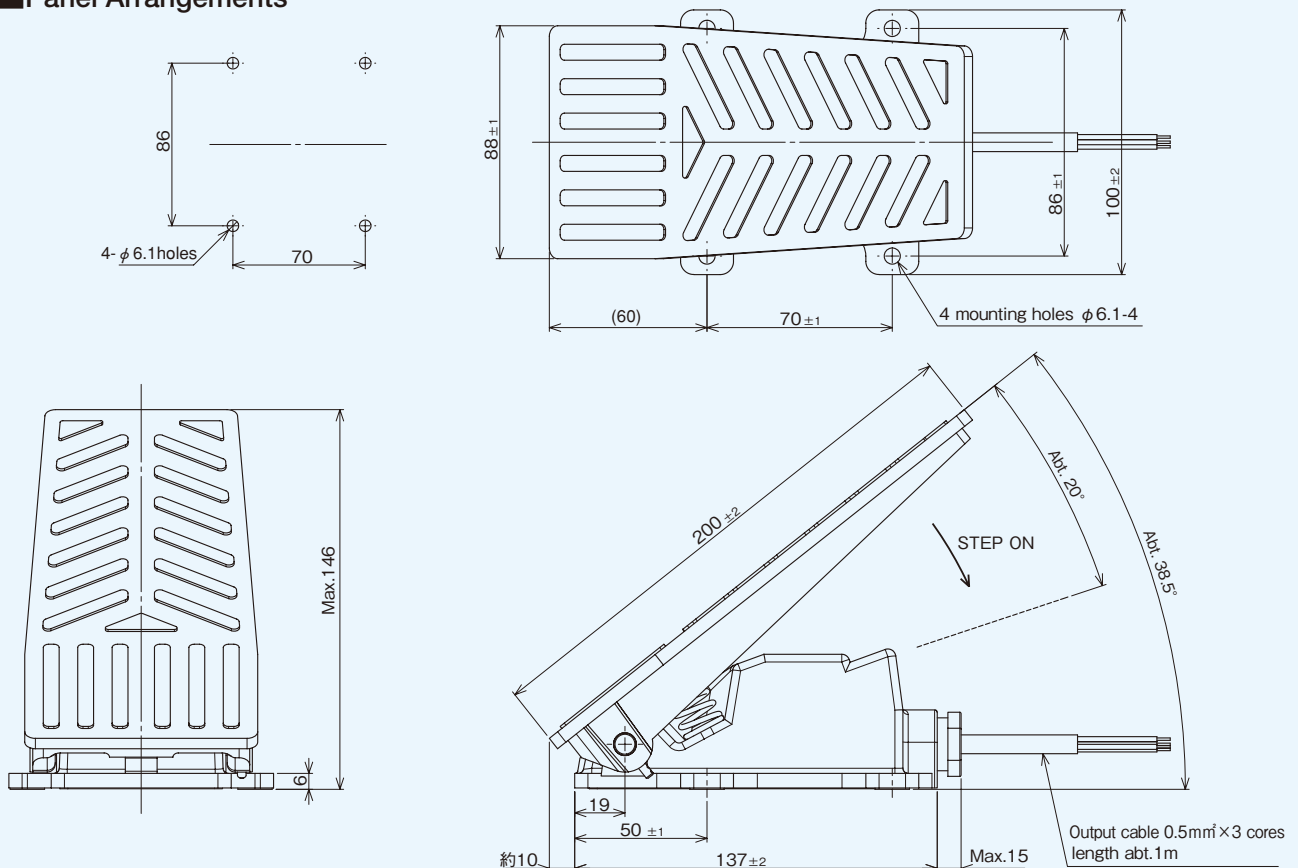
● With a hall effect IC

## ● Nomenclature



## ● Standard Dimensions

### ■ Panel Arrangements





H80FCL-S

## STANDARD SPECIFICATIONS

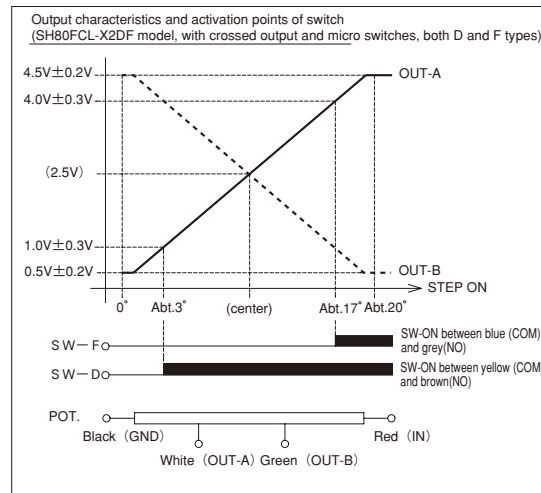
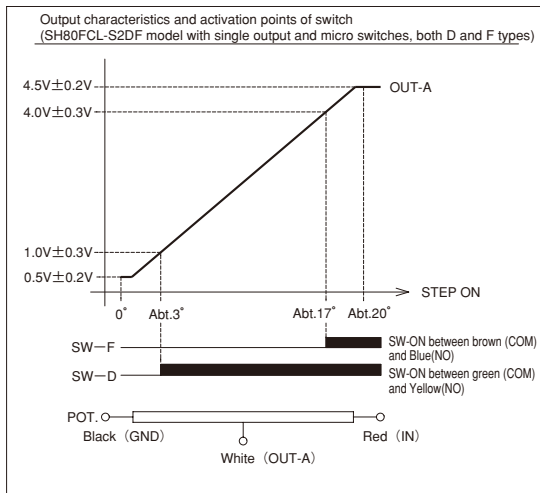
### Mechanical Performance

|                                    |   |
|------------------------------------|---|
| <b>Operating method</b>            | Stepping pedal type   |
| <b>Operating angle</b>             | Approx.20°C   |
| <b>Operating force</b>             | Standard automatic spring return device<br>Abt.10N・60N(Abt.1,000gf.~6,000gf.) |
| <b>Operating temperature range</b> | -20°C~+65°C   |
| <b>Vibration</b>                   | 10~55Hz 98m/s <sup>2</sup>  |
| <b>Shock</b>                       | 294m/s <sup>2</sup> (11ms)  |
| <b>Life expectancy</b>             | Approx.2,000,000 operations   |
| <b>Mass</b>                        | Approx.850g   |

### Electrical Performance

|  |  |
|--|--|
| <b>Hall effect IC type potentiometer is incorporated</b> | SHSM18E, hall effect IC type single-turn contactless potentiometer<br>● Applied voltage: 5V±10% D.C.<br>● Output range: Approx.10%~90% Vin<br>● Independent linearity tolerance: ±3% |
| <b>Dielectric strength</b>                               | 1 minute at 250V.A.C.  |
| <b>Insulation resistance</b>                             | Over 100MΩ at 250V.D.C.  |
| <b>EMS tolerance</b>                                     | 100V/m(80MHz~1GHz 1KHz sine-wave 80%AM modulation)   |
| <b>ESD tolerance</b>                                     | ±8KV contact discharge/±15KV air discharge<br>(Based on IEC61000-4-2)  |

### Output Characteristics and Terminal Connection Diagram



### Special Specifications Available

- **With switch incorporated**  
D version switch: SW "ON" at about 3° from the beginning of stepping under 1V±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.
- **Potentiometer with conductive plastic element**  
Type FCP22E is incorporated.

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