

# Rotary Position Sensor

PHS07



## Features:

- Dust-proof construction protects the interior from dust, which maintains stable characteristics
- High accuracy and long life over 1 million cycles
- Stable output characteristics can be secured for external noise and temperature changes

## Electrical Specifications

Total resistance	500Ω—1MΩ
Total resistance tolerance	±20%
Resistance taper	B taper
Rated voltage	DC 5V, AC 50V
Rated power	0.01W
Linearity tolerance	Less than ±2%
Insulated resistance	More than 100MΩ at DC 250V for 1 minute
Withstand voltage	250V AC for 1 minute

## Mechanical Specifications

Total rotational angle	360° continuous
Rotational torque	Less than 50 gf .com
Pull strength of rotational shaft	500gf min

## Environmental Specifications

Storage temperature	-40°C to +70°C
Operating temperature	-10°C to +70°C
Dry heat	70±2°C, 240±2h, ΔTR+5%/-30%
Cold	-30±2°C, 300±5h, without load, ΔTR±20%
Damp heat	70±2°C, 85% RH, 300±5h, ΔTR+35/-5%
Temperature cycles	-10°C—+70°C, 5 cycles, ΔTR ±10%
Rotational life	Standard life: 500,000 cycles min.; Long life: 1,000,000 cycles min.
Temperature characteristic	70±3°C, 5H, ΔTR+5%/-20%
Soldering condition	Wave soldering: 260±5°C sec max.; Manual soldering: 350°C±10°C 3 sec max.
Operating temperature range	-10°C—+70°C

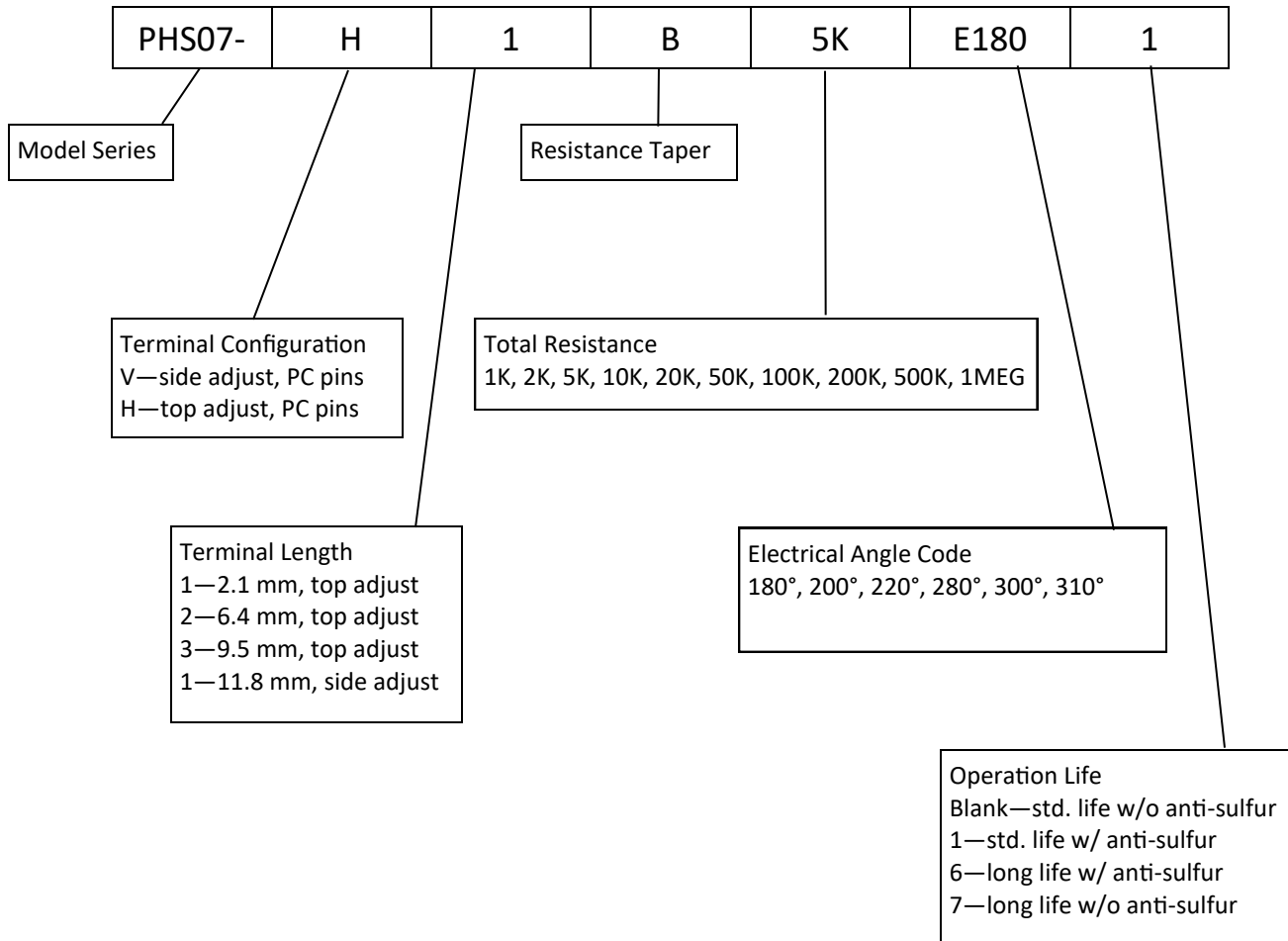
### General Note

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