Cooka (Zhongshan) Technology Co., Ltd.

- Carbon element
- Variable speed switch
- Ultrasonic welding assembly Process
- Acceptance customization function
- Active dustproof ability
- 0.5 million Life trigger operation
- 3% Linearity



PTS Long Life Power tool switch

Electrical

Standard Resistance Range . . . . . .

20kΩ~70kΩ

Resistance Tolerance . . . . . 20% standard

Resistance Taper . . . . . .linear

Linearity . . . . . .3% max.

Noise (C.R.V.) . . . . 300 mV Max.

Power Rating . . . . . 0.25 watt at 40℃, 0 watt at 85℃

Maximum Input Voltage . . . . 50VDC Max.

Insulation Resistance . . . .100MΩ minimum at 1,000VDC

Mechanical

Travel of Trigger switch Started . . . . . 1.8mm±0.3mm

Travel of switch Speed started . . . . . 2.5mm± 0.3mm

Travel of Maximum Speed . . . . . 7.5mm± 0.3mm

Total Travel . . . . . 8.8mm±0.3mm

Operation Force On the Trigger . . . . . 10N~35N

Operation Force Reversing . . . . . 2.0N~8.5N

IP Rating IP54

Environmental

Working Temperature . . . . -10℃ to 70℃

Storage Temperature . . . . -20℃ to 85℃

Durability Test

Temperature Characteristics Test . . . . 85℃, 5 hours

ΔT/R ≤±5%

Temperature Cycle Test . . . . . .-20℃, 85℃,30 minutes each, 5 cycles

ΔT/R ≤±10%

Load Life Test. . . . . 40℃, 0.25 watt, 1,000 hours

ΔT/R ≤±10%

Moisture and Load Life Test . . . .. . 40℃, 90-95%RH,0.25 watt, 500 hours

ΔT/R≤±20%

Vibration Test . . . . . 10-55Hz, 1.5mm amplitude, 3 directions

ΔT/R ≤±5%

Reversing Life Test . . . . . 200,000 cycles without load

CR≤200mΩ

Rotational Life Test. . . . . .1,000,000 cycles without load

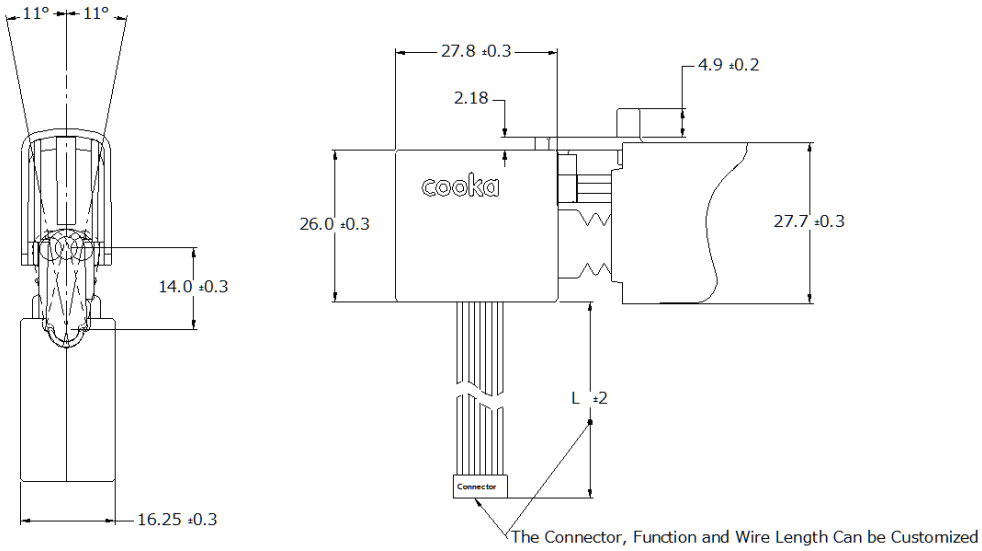
ΔT/R≤±20%

CR = Contact Resistance

ΔT/R = Total Resistance Change

PTS Series Product Dimension

Unit: mm



PTS01 Series Part Numbering System

