

Conductive Plastic Angle Sensor

CPP-35 Series



- Conductive Plastic Angle Sensor
- Effective Electrical Travel : 340°
- Independent Linearity : ±1% (Special Linearity : ±0.2%)
- Servo Mount & Screw Mount

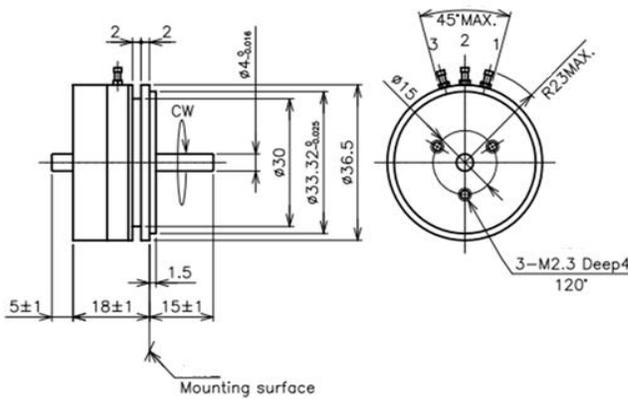
- CPP-35 : Ø4mm Shaft
- CPP-35B : Ø6mm Shaft

[Material]

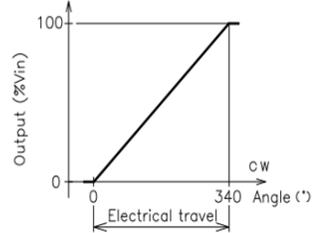
- Housing : Aluminum
- Shaft : Stainless Steel
- Ball Bearing : Stainless Steel

■ Dimension (mm)

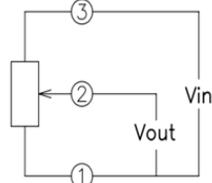
CPP-35



■ Output Characteristics

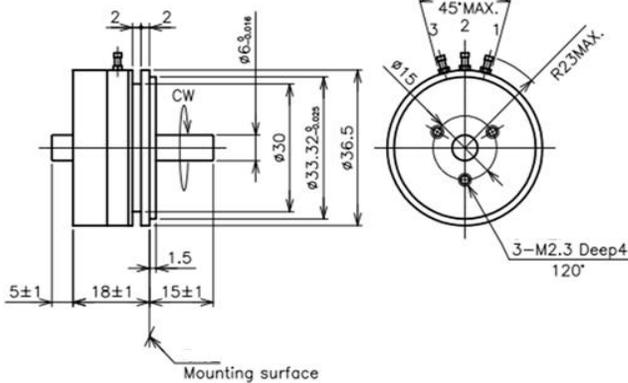


■ Schematic

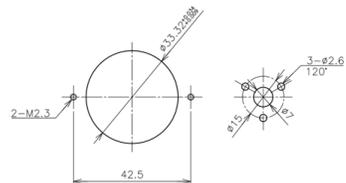


• ① ② ③ : Terminal No.

CPP-35B



■ Mounting



| [Model No.] | CPP-35 | CPP-35B |
|----------------------------------|-------------------------------|--------------|
| | <Φ4mm Shaft> | <Φ6mm Shaft> |
| Electrical Specifications | | |
| Effective Electrical Travel | 340° + 2°、-3° | |
| Total Resistance | 0.5, 1K, 2K, 5K, 10K Ω | |
| Total Resistance Tolerance | ±20% | |
| Independent Linearity | ±1% (Special Linearity ±0.2%) | |
| Rated Dissipation | 2 W/70 °C | |
| Output Smoothness | MAX. 0.1% | |
| Insulation Resistance | MIN. 100MΩ/DC1000V | |
| Dielectric Strength | AC1000V/ 1 Minute | |
| TC of Resistance | ±400 ppm/K | |

| | | |
|----------------------------------|---|----|
| Mechanical Specifications | | |
| Total Mechanical Travel | 360° endless | |
| Torque | 1.4 mN · m MAX. (Additional 1.2mN · m/add one gang) | |
| Thrust Load Tolerance | 2N | 3N |
| Radial Load Tolerance | 4N | 5N |
| Mass | Approx. 40g (Additional 10g/add one gang) | |

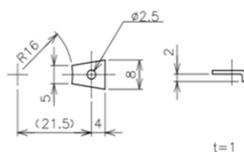
| | | |
|-------------------------------------|--|--|
| Environmental Specifications | | |
| Life Cycles | 10 Million Cycle | |
| Category Temperature Range | -40 ~ +100 °C | |
| Storage Temperature Range | -40 ~ +100 °C | |
| Vibration | 150m/S ² 2000Hz 3axis 2hours each | |
| Shock | 500m/S ² 11ms 6directions 3times | |
| | | |
| | | |
| | | |

■ Options

- Multi Ganging: More than 3 sections --- Please contact us
- Additional Center Tap: C.T(A) ... No shorted angle
C.T(B) ... Shorted on Tap (Shorted angle 1°~5°)

■ Accessories

Mounting Cleats : 2 pieces



■ Handling Instruction

- To avoid burnout of resistive element, do not supply more than 1mA current to terminal 2.
- Miswiring might cause burnout of resistive element.
- To reduce sliding noise, add load resistance should be more than 100times and less than 1000times of total resistance.
- Slight continuous vibration such as dither might cause short lifetime of the sensor.