

Conductive Plastic Angle Sensor

CPP-45B×2

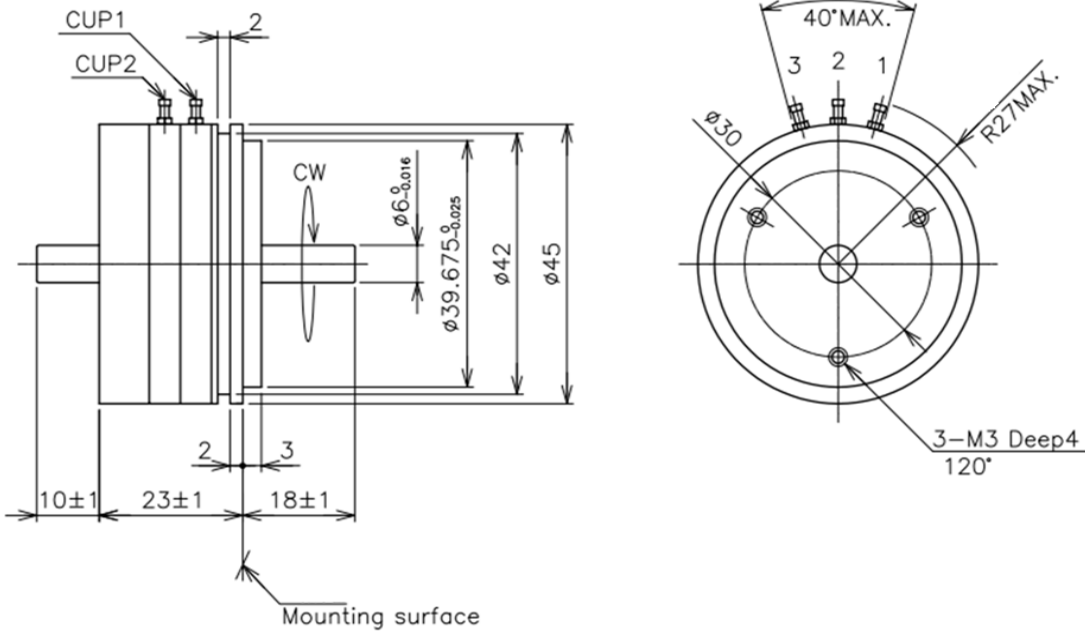


- Conductive Plastic Angle Sensor (Dual Output)
- Effective Electrical Travel : 350°
- Independent Linearity : ±0.3% (Special Linearity: ±0.1%)
- Servo Mount & Screw Mount

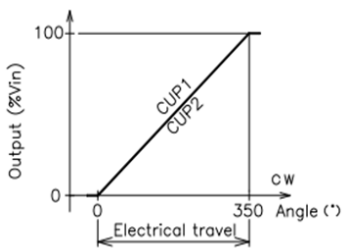
[Material]

- Housing : Aluminum
- Shaft : Stainless Steel
- Bearing : Copper Alloy

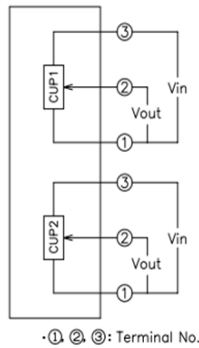
Dimension (mm)



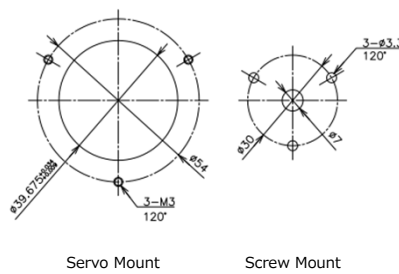
Output Characteristics



Schematic



Mounting



[Model No.]	CPP-45Bx2
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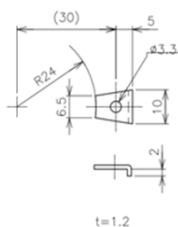
Electrical Specifications	
Effective Electrical Travel	350° +2°, -3° (CUP 1 · 2)
Total Resistance	0.5K, 1K, 2K, 5K, 10K, 20K Ω (CUP 1 · 2)
Total Resistance Tolerance	±15% (CUP 1 · 2)
Independent Linearity	±0.3 % (CUP 1 · 2), Special Linearity ±0.1% (CUP1 · 2)
Rated Dissipation	1.8W/70°C
Output Smoothness	MAX. 0.1% (CUP1 · 2)
Insulation Resistance	MIN. 100MΩ/DC1000V
Dielectric Strength	AC1000V/ 1 Minute
TC of Resistance	±400 ppm/K

Mechanical Specifications	
Total Mechanical Travel	360° Endless
Torque	MAX. 3.3mN · m
Thrust Load Tolerance	2 N
Radial Load Tolerance	6 N
Mass	Approx. 70 g

Environmental Specifications	
Life Cycles	10 Million Cycle
Category Temperature Range	-40 ~ +120 °C
Storage Temperature Range	-40 ~ +120 °C
Vibration	150m/S ² 2000Hz 3axis 2hours each
Shock	500m/S ² 11ms 6directions 3times

■ Accessories

Mounting Cleats : 3 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.