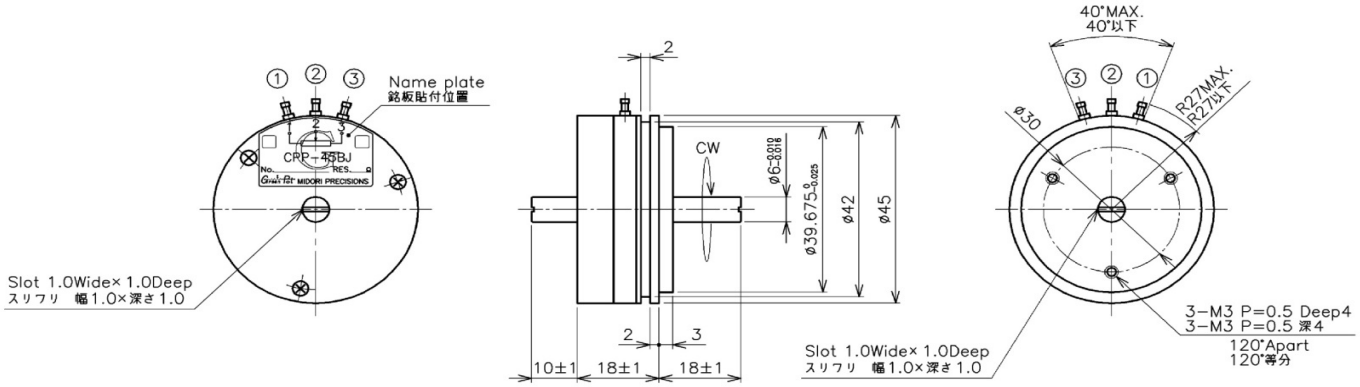
Conductive Plastic Angle Sensor

CPP-45BJ

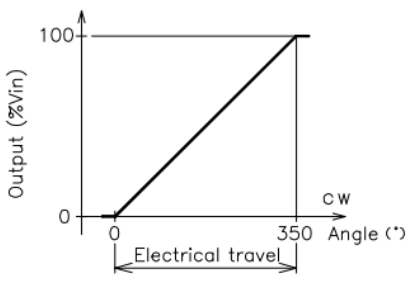
- Conductive Plastic Angle Sensor
- Effective Electrical Travel : 350°
- Independent Linearity : ±0.3%
- Ratiometric Voltage Output
- Servo Mount and Screw Mount
- Screw-driver slot on both side of the shaft for adjustments
- Shaft diameter : φ6mm
- Ball Bearing

■ Dimension

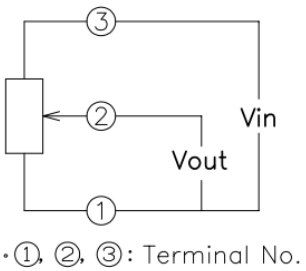
CPP-45BJ



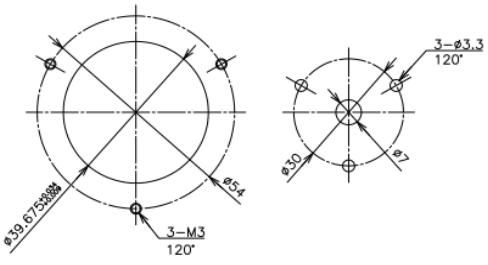
■ Output Characteristics



■ Schematic



■ Mounting



Servo Mount Screw Mount

Jun. 2017

【Model No. 】	CPP-45BJ

【Electrical Specificataions】

Effective Electrical Travel	350 +2、-3	°
Total Resistance	1、5、10	kΩ
Total Resistance Tolerance	±15	%
Independent Linearity	±0.3、(±0.1: Optional)	%
Rated Dissipation	3/70℃	W
Output Smoothness	MAX. 0.1	%
Insulation Resistance	MIN. 100/DC1000V	MΩ
Dielectric Strength	AC1000/1min.	V
Temp. Coefficient of Resistance	±400	ppm/K

【Mechanical Specifications】

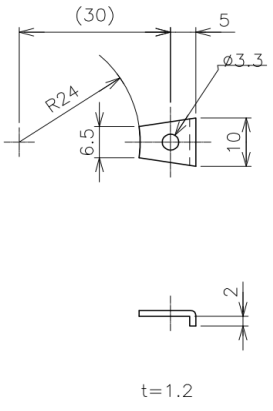
Total Mechanical Travel	360 Endless	°
Torque	MAX. 1.8 (Additional 1.5mN・m/add one gang)	mN・m
Thrust Load Tolerance	2	N
Radial Load Tolerance	6	N
Mass	Approx. 60 (Additional 10g/add one gang)	g

【Environmental Specifications】

Life	MIN 10 Million	cycle
Category Temperature Range	-40～+100	℃
Storage Temperature Range	-40～+100	℃
Vibration	200m/s2 2000Hz 3axis 2hours each	
Shock	600m/s2 11ms 6directions 3times each	

■Supplied Accessories

Mounting Cleats : 3 pcs



■Options

・Shaft dia φ4mm : CPP-45J
・Independent Linearity : ±0.1%
・Additional Center Taps:
For Output : CPP-45BJ-CT(A) No shorted angle
For Input : CPP-45BJ-CT(B) Shorted on Tap (Shorted angle approximately 3°)
・Two Gangs / Output Phase
*Other specifications requests, please contact us.

■Handling Instruction

Miswiring mau cause burnout of resistive element.
To avoid burnout of resistive element, do not supply 1mA or more current to terminal 2.
To reduce sliding noises, load resistance must be as high as possible.
Slight continuous vibration such as dither might cause short lifetime of the sensor.
Please read carefully the instructions and directions for use.