

Wire Wound Angle Sensor

CP-5S Series

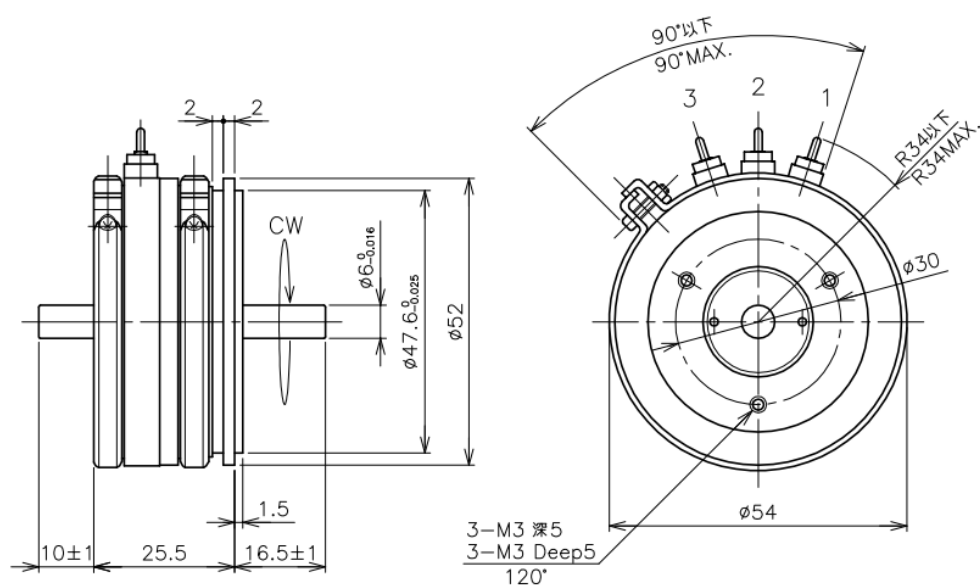


- Wire Wound Angle Sensor
- Effective Electrical Travel : 355°(MIN. 1kΩ)/ 350°(Less than 1kΩ)
- Independent Liniality : $\pm 0.15\%$ (MIN. 500Ω)/ $\pm 0.2\%$ (Less than 500Ω)
- Servo Mount and Screw Mount

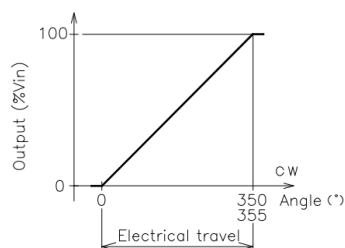
【Material】

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

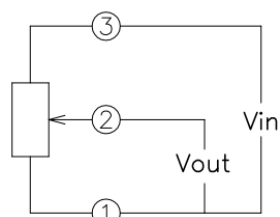
■ Dimension [mm]



■ Output Characteristics

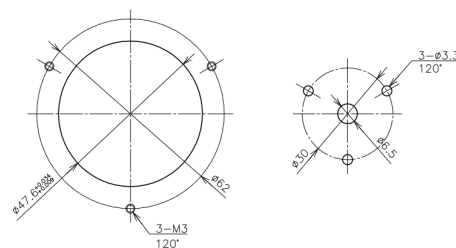


■ Schematic



• ①, ②, ③: Terminal No.

■ Mounting



Servo Mount

Screw Mount

【Model No.】	CP-5S
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【Total Resistance】

Total Resistance	Resolution	Input Voltage
0.1kΩ	0.14%	12V(40°C)
0.2kΩ	0.11%	15V(40°C)
0.5kΩ	0.08%	25V(40°C)
1kΩ	0.07%	30V(40°C)
2kΩ	0.07%	50V(40°C)
5kΩ	0.05%	80V(40°C)
10kΩ	0.04%	100V(40°C)
20kΩ	0.034%	150V(40°C)
30kΩ	0.029%	200V(40°C)

【Electrical Specifications】

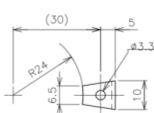
Effective Electrical Travel	355 +1, -2 (MIN. 1kΩ) 350 +2, -3 (Less than 1kΩ)	°
Total Resistance Tolerance	±5	%
Independent Linearity	±0.15 (MIN. 500Ω) ±0.2 (Less than 500Ω)	%
Rated Dissipation	1.5(40°C)	W
Insulation Resistance	MIN. 100/DC1000V	MΩ
Dielectric Strength	AC1000/1 Minute	V
Temperature Coefficient of Resistance	±20	ppm/K

【Mechanical Specifications】

Total Mechanical Travel	360 Endless	°
Torque	MAX. 3 (MIN. 1kΩ) MAX. 4 (Less than 1kΩ)	mN·m
Thrust Load Tolerance	5	N
Radial Load Tolerance	13	N
Mass	Approx. 130	g

■ Accessories

Mounting Cleats : 3 pieces



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