

Conductive Plastic Angle Sensor

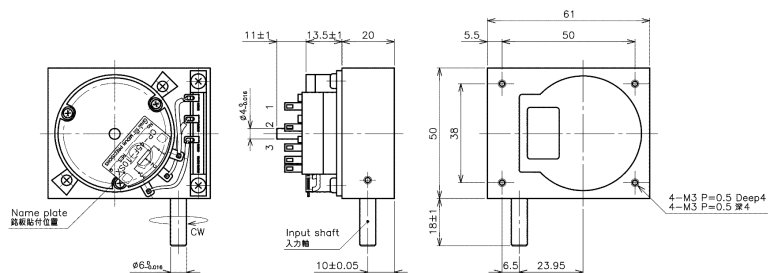
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CP-45F Multi-turn Series - CP-45F-xxSX

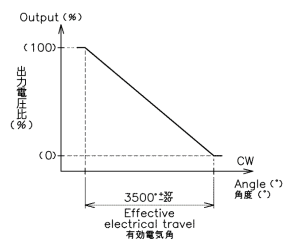
- Conductive Plastic Angle Sensor
- Effective Electrical Travel : 3500°-35000°
- Independent Linearity : $\pm 0.1\%$
(CP-45F Potentiometer)
- Voltage Ratio Output

【Material】 : Aluminum
 •Housing : Stainless Steel
 •Shaft : Stainless Steel
 •Bearing

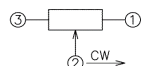
■Dimension [mm]



■Output Characteristics

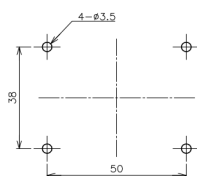


■Schematic



- ① ② ③ :Terminal No.
- ① ② ③ : 端子台の端子番号
- This schematics shows the rotation direction as viewed from the input shaft.
- 本図線図は入力軸から見た回転方向を表す。

■Mounting



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[Model No.]	CP-45F-10SX	CP-45F-24SX	CP-45F-35SX	CP-45F-100SX	
[Electrical Data]					
Effective Electrical Travel	3500 +30, -20	8400 +72, -48	12250 +105, -70	35000 +300, -200	*
Total Resistance	1, 2, 5, 10 (Option : 0.5, 20K)				k Ω
Total Resistance Tolerance	±15				%
Independent Linearity	±0.1				%
Power Rating	3/70℃				W
Output Smoothness	MAX. 0.1				%
Insulation Resistance	MIN. 100/DC1000V				MΩ
Dielectric Strength	AC1000/1min.				V
Temperature Coefficient Of Resistance	±400				ppm/K
[Mechanical Data]					
Gear Ratio	10:1	24:1	35:1	100:1	
Torque	MAX. 4				mN·m
Repeatability	MAX. 0.03(Including Backlash)				%
Thrust Load Tolerance	5				N
Radial Load Tolerance	16				N
Mass	210 Approx.				g
[Environmental Data]					
Category Temperature Range	-40~-+120				℃
Storage Temperature Range	-40~-+120				℃

■ Handling Instruction

•To avoid burnout of resistive element, do not supply more than 1mA current to terminal 2.

We are here for you. Addresses and Contacts.

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