

Conductive Plastic Angle Sensor

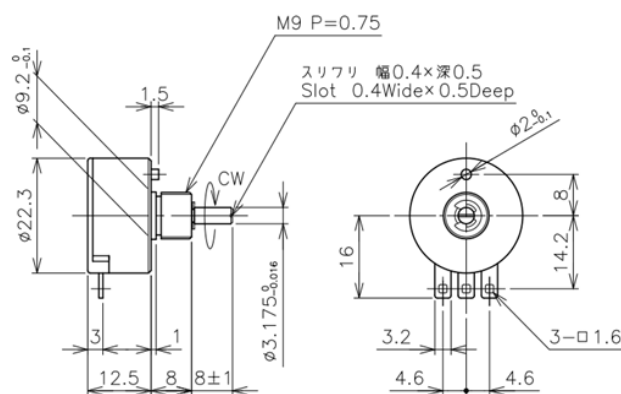
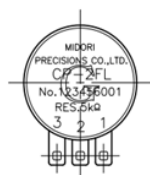
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CP-2FL Series - CP-2FL, CP-2FL-6

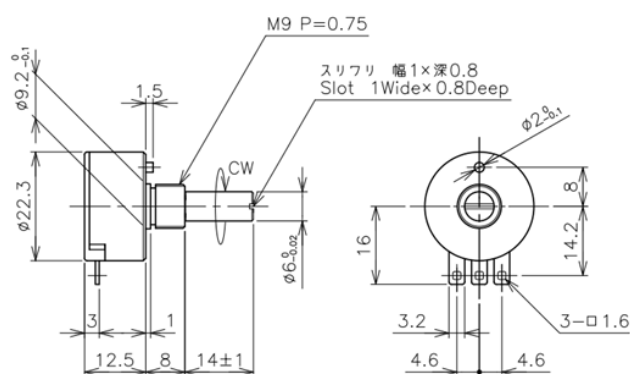
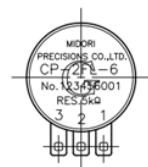
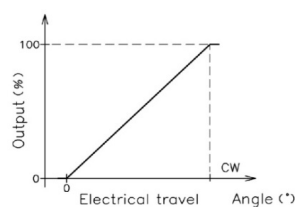
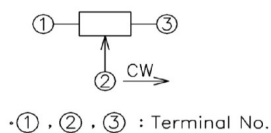
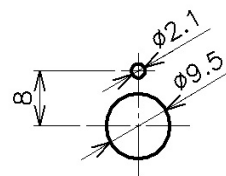
- Low Cost Design
- Conductive Plastic Angle Sensor
- Effective Electrical Travel : 340°
- Independent Linearity : $\pm 2\%$ ($\pm 1\%$ Optional)
- Ratiometric Voltage Output
- Shaft with Screw-driver slot for Adjustments
- Shaft diameter
: CP-2FL $\phi 3.175\text{mm}$, CP-2FL-6 $\phi 6\text{mm}$
- Metal Sleeve Bearing : Copper Alloy

■ Dimension

CP-2FL



CP-2FL-6

**■ Output Characteristics****■ Schematic****■ Mounting**

株式会社 緑 測 器

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【Model No.】	CP-2FL Series
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【Electrical Specificataions】

Effective Electrical Travel	340 +2、-3	°
Total Resistance	1、5、10	kΩ
Total Resistance Tolerance	±20	%
Independent Linearity	±2 (±1 Optional)	%
Rated Dissipation	0.5/50℃	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. 2	mN・m
Thrust Load Tolerance	2	N
Radial Load Tolerance	5	N
Mass	Appx. 20	g

【Environmental Specifications】

Life	MIN. 10 Million	Cycle
Category Temperature Range	-40~+100	℃
Storage Temperature Range	-40~+100	℃
Vibration	150m/s2 2000Hz 3axis 2hours each	
Shock	500m/s2 11ms 6directions 3times each	

■ Supplied Accessories

M9 Nut Toothed Lock Washer (Internal) 1piece each

■ Handling Instruction

Miswiring may 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.



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