

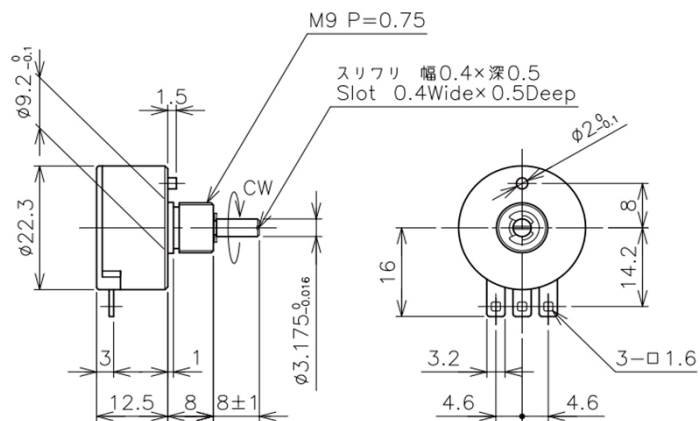
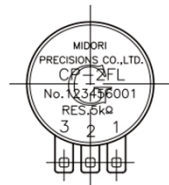
CP-2FL Series - CP-2FL, CP-2FL-6



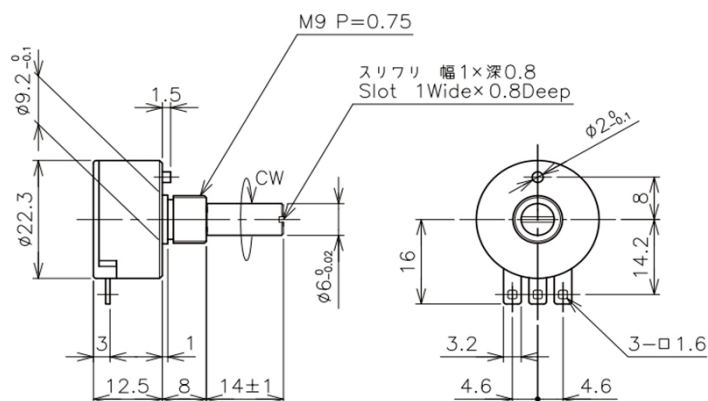
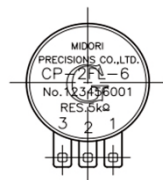
- Conductive Plastic Angle Sensor
- Low Price and Short Delivery Time!
- Effective Electrical Travel : 340°
- Independent Linearity : $\pm 2\%$
- Ratiometric Voltage Output
- Shaft with Screw-driver slot for Adjustments
- Shaft diameter :
CP-2FL $\phi 3.175\text{mm}$, CP-2FL-6 $\phi 6\text{mm}$
- Metal Sleeve Bearing : Copper Alloy
- 【Option】
- Independent Linearity : $\pm 1\%$

Dimension

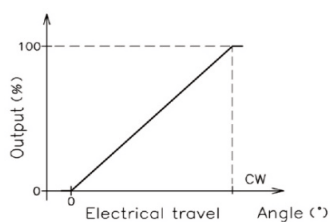
CP-2FL



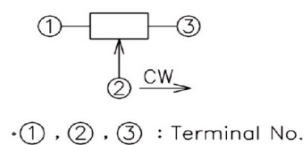
CP-2FL-6



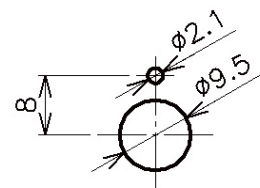
Output Characteristics



Schematic



Mounting



【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	±1 (±0.5 Optional)	%
Rated Dissipation	0.5/50°C	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	°C
Storage Temperature Range	-40~+100	°C
Vibration	150m/s ² 2000Hz 3axis 2hours each	
Shock	500m/s ² 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.