Conductive Plastic Angle Sensor

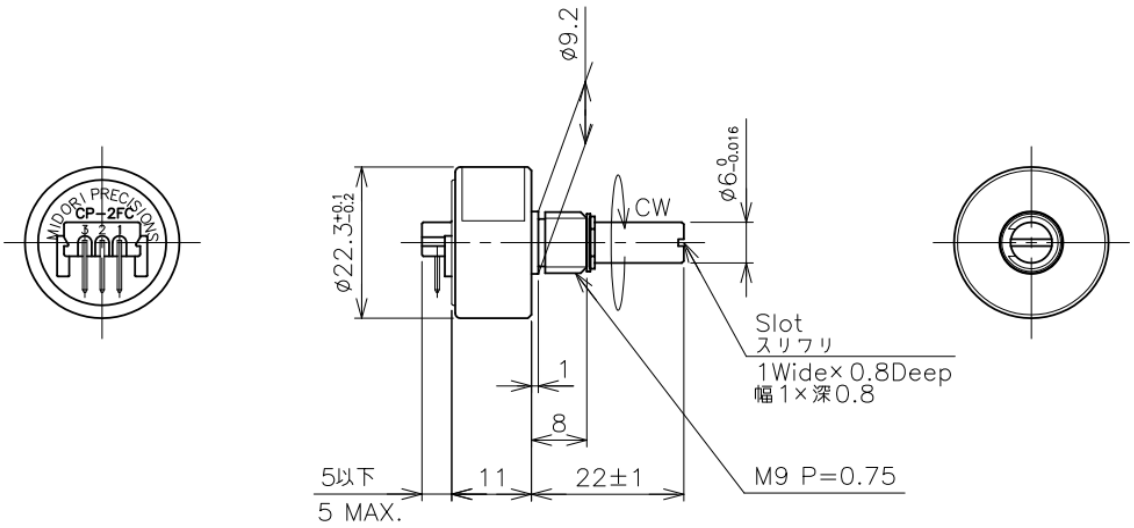
CP-2FC-6 Series

・Conductive Plastic Angle Sensor
・ϕ 6mm Shaft
・Effective Electrical Travel: 340°
・Independent Linearity: ±1%
・Bushing Mount

・CP-2FC-6 : Teflon coating bearing
・CP-2FCG-6 : Teflon coating bearing, O-Ring

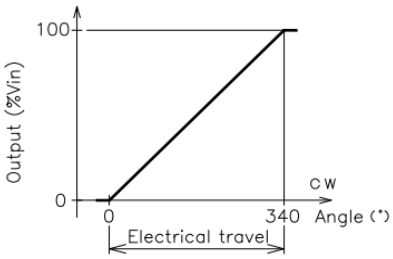
【Material】
●Housing : Aluminum
●Shaft : Stainless Steel

■Dimension [mm]

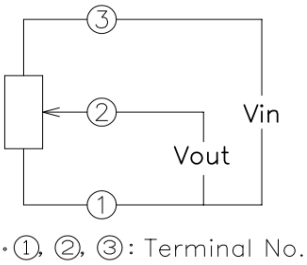


Matching Connector (**Not Included**) : Hirose Electric Co. P/N HNC2-2.5S-3(Housing), P/N HNC2-2.5S-D-A(PIN)

■Output Characteristics

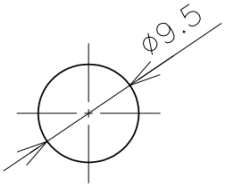


■Schematic



・①, ②, ③: Terminal No.

■Mounting



MIDORI PRECISIONS
URL: http://www.midori.co.jp
E-mail: overseas@midori.co.jp

2012/12

【Model No.】	CP-2FC-6 <Teflon coating bearing>	CP-2FCG-6 <Teflon coating bearing, O-ring>	
【Electrical Specifications】			
Effective Electrical Travel	340 +2、-3		°
Total Resistance	1、5		kΩ
Total Resistance Tolerance	±20		%
Independent Linearity	±1		%
Rated Dissipation	0.5/50℃		W
Output Smoothness	MAX. 0.1		%
Insulation Resistance	MIN. 100/DC1000V		MΩ
Dielectric Strength	AC1000/1 Minute		V
Temperature Coefficient Of Resistance	±1000		ppm/K
【Mechanical Specifications】			
Total Mechanical Travel	360 Endless		°
Running Torque	MAX. 3.4	MAX.20	mN·m
Thrust Load Tolerance	1.96		N
Radial Load Tolerance	0.98		N
Mass	Approx. 20		g
【Environmental Specifications】			
Life Cycle	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		

■Accessories

M9 nut
Internal tooth lock washer 1 piece each

■Handling Instruction

・To avoid burnout of resistive element, do not supply more than 1mA current to terminal 2.
・Miswiring might cause burnout of resistive element.
・To reduce sliding noise, add load resistance should be more than 100times and less than 1000times of total resistance.
・Slight continuous vibration such as dither might cause short lifetime of the sensor.

MIDORI PRECISIONS
URL: http://www.midori.co.jp
E-mail: overseas@midori.co.jp

2012/12

We are here for you. Addresses and Contacts.

Headquarter Switzerland:

Angst+Pfister Sensors and Power AG
Thurgauerstrasse 66
CH-8050 Zurich

Phone +41 44 877 35 00
sensorsandpower@angst-pfister.com

Office Germany:

Angst+Pfister Sensors and Power Deutschland GmbH
Edisonstraße 16
D-85716 Unterschleißheim

Phone +49 89 374 288 87 00
sensorsandpower.de@angst-pfister.com

Office North America:

Angst+Pfister North America Inc.
10391 Brecksville Rd.
US-Brecksville, OH 44141

Phone +1 440 375-5212
info.apus@angst-pfister.com

Scan here and get an overview of personal contacts!

https://sensorsandpower.angst-pfister.com/en/