

<RoHS Compliance>

CP-30H

FEATURES

- Suitable for application such as Dancer and Tension Controllers
- High resistance to radial and thrust shaft load
- Very low torque
- Very long useful life

Electrical Specifications

Electrical Angle	$\pm 50^\circ$
Output Range	10~90%Vin
Absolute Linearity (Independent Linearity)	$\pm 6\%FS$ (FS=100°) ($\pm 3\%FS$)
Input Voltage	DC $5 \pm 0.5V$
Load Resistance	10k Ω MIN.
Supply Current	10mA MAX.
Insulation Resistance	DC50V 100M Ω MIN.
Temp. Characteristics -20°C~80°C (Reference Temp. 25°C)	0° : $\pm 1.6^\circ$ $\pm 50^\circ$: $\pm 3.2^\circ$

Mechanical Specifications

Mechanical Angle	360° Endless
Torque	0.3mN·m MAX.
Weight	Approx. 50g
Shaft radial load	10N
Shaft thrust load	5N

Environmental Specifications

Life Cycles	$\pm 50^\circ$, 5Hz 10M Cycle MIN.
Vibration	100m/s ² 50~2,000Hz/5min 3axis 2hours
Shock	500m/s ² , 11ms 3axis 3times
EMS	50V/m, 80k~1MHz
Operating Temp.	-20~80°C
Storage Temp.	-40~80°C
ESD(Case~Each Terminal)	$\pm 3.5kV$
ESD(Each Terminal)	$\pm 7.5kV$
IP Level	IP50

OPTIONS

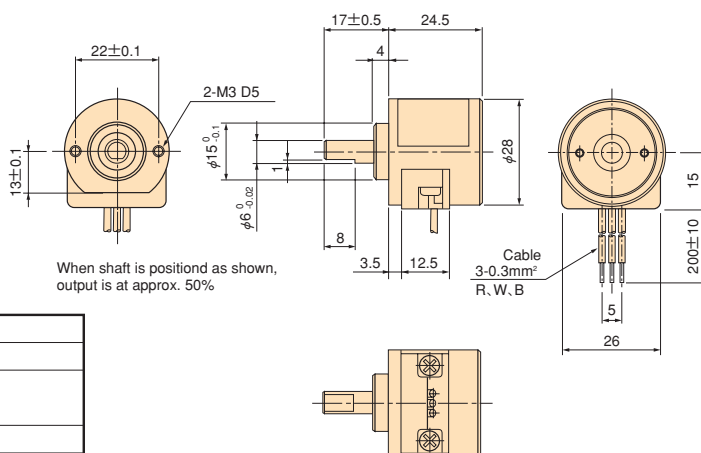
- Electrical angle: $\pm 30^\circ$



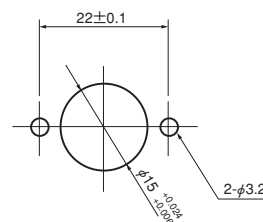
HANDLING INSTRUCTION

- This product may be influenced from external magnetic field of apparatus which generates a magnetic field.
- Use this sensor in the place where is protected from ESD.

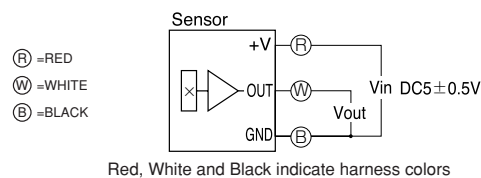
DIMENSION (mm)



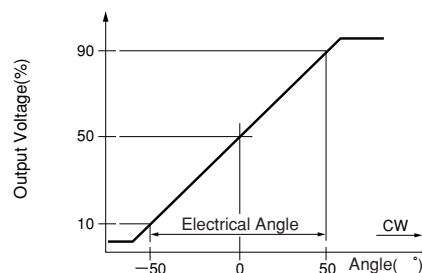
MOUNTING



SCHEMATIC



OUTPUT CHARACTERISTICS



We are here for you. Addresses and Contacts.

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