

RH24PC Series

Single Turn Hollow Shaft Potentiometer (Conductive Plastic)



Pre-wire Option

- Direct to shaft mounting, no couplings.
- Low profile
- 5,000,000 turns life
- 340° measuring angle or to your specifications
- Flange ears for simple installation

The series RH24PC is a low profile hollow shaft precision potentiometer. 340° electrical angle or can be produced to your specific angle requirements. Easy installation with flange mount.

Electrical Data

Resistance values	1k, 2k, 5k, 10k, 20k, 50k, 100k
Resistance tolerance	20% (Optional; 10%)
Effective electrical angle of rotation	340° ±5°
Independent linearity	±2.0% (optional; 1% or 0.5%)
Resolution	Essentially infinite
Temperature coefficient of resistance	±400 ppm/deg C
Power rating @ 70°C	0.5 watt
Insulation resistance	500 Mohms @ 500 VDC
Dielectric strength	500 VAC @ 50 Hz
Max. wiper current	1 mA

Mechanical and Environmental Data

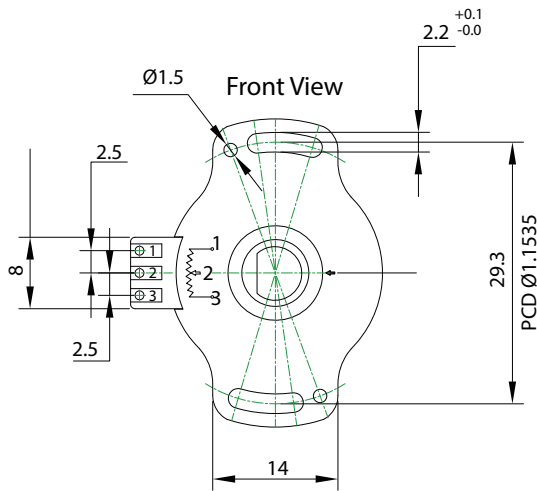
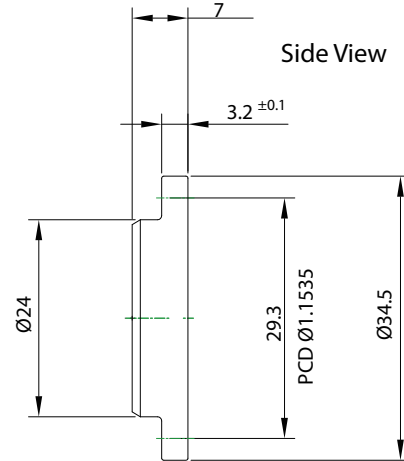
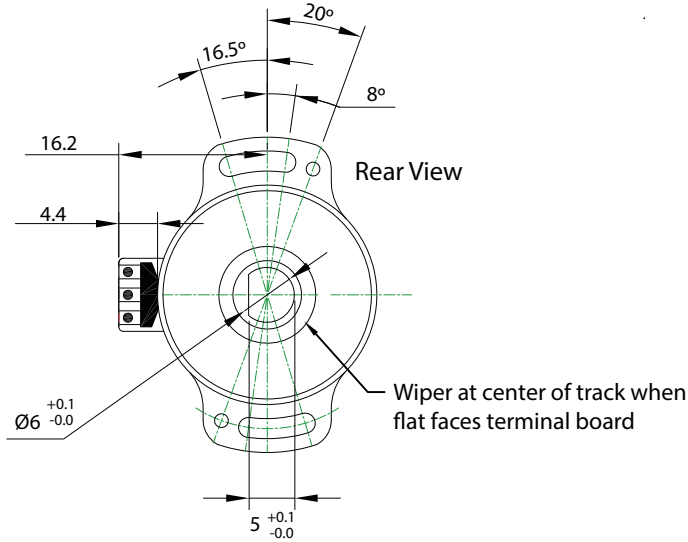
Mechanical angle of rotation	360° (continuous)
Starting torque	< 1Ncm
Operating torque	< 0.5 Ncm
Operating temperature	-40°C...+105°C
Rotational life	5,000,000 shaft revolutions
Bearing	Sleeve, brass on one end
Protection class	IP40
Housing material	Engineered plastic
Shaft (hollow) material	Engineered plastic

Note: Customers should test and verify device performance in any given application. Shaft modifications are possible, please consult us. Specifications subject to change without notice.

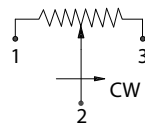
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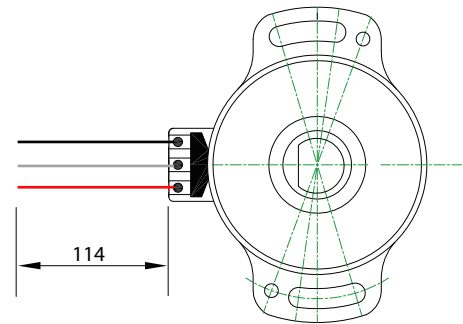
Dimensions (mm)



Schematic



Pre-Wired Option



Schematic

