

NP24HS Series

Single Turn Hollow Shaft Potentiometer (Conductive Plastic)



- Direct to shaft mounting, no couplings.
- Low profile
- 5,000,000 turns life
- 340° measuring angle or to your specifications
- Mounting bracket included

The series NP24HS is a low profile hollow shaft precision potentiometer. 340° electrical angle or can be produced to your specific angle requirements. Omni-mount bracket included in delivery.

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	7 Nmm
Operating torque	5 Nmm
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
Omni-mount material	Engineered plastic

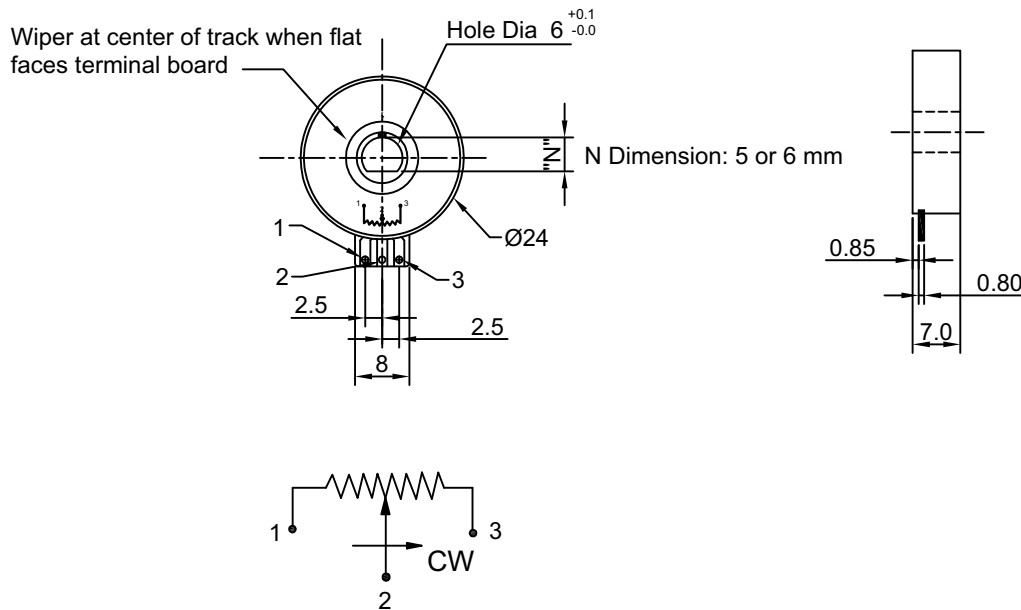
Note: Customers should test and verify device performance in any given application. General specifications values are measured at +15°C ~ +35°C. Please consult us if application is in higher or lower temperatures. Shaft modifications are possible, please consult us. Specifications subject to change without notice.

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Dimensions (mm)

Potentiometer Only (optional)



Omni-mount Dimensions (mm)

Potentiometer with Omni-mount
(omni-mount included with delivery)

