

# NP32HS Series

## Hollow Shaft Conductive Plastic Potentiometer



- Direct to shaft mounting, no couplings.
- Low profile
- 5,000,000 turns life
- 340° measuring angle or to your specifications
- Spring shim for secure fastening to shaft

The NP32HS is a low profile, hollow shaft precision potentiometer. Flange ears provide a simple but versatile mounting solution. Integrated spring shim reduces shaft play.

### Electrical Specifications\*

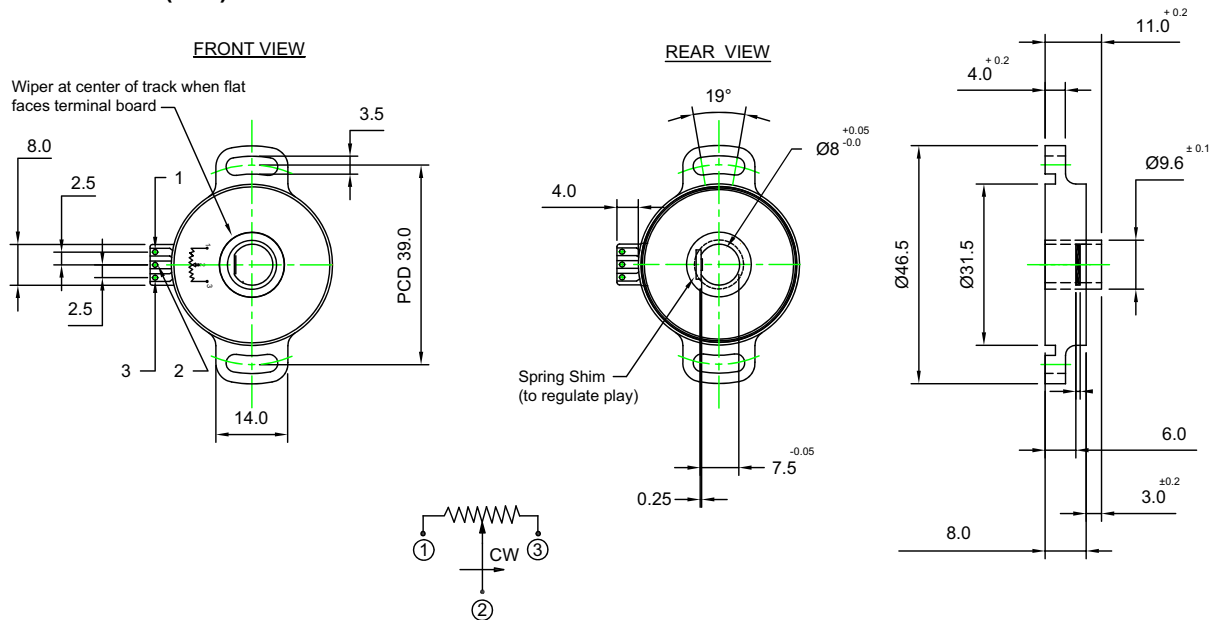
Electrical angle	340° ±5°
Resistance	1K, 2K, 5K, 10K, 20K, 50K, 100K
Resistance tolerance	±20% (±10% optional)
Linearity	±2% (1% or 0.5% optional)
Resolution	Infinite
Wiper current	<1µA (1mA max)
Power rating	2W
Temperature coefficient	+400ppm/°C
Insulation resistance	500MΩ @ 500VDC
Dielectric strength	500 VAC, 50Hz
End voltage (% of Vsup)	<0.5%

### Mechanical Specifications\*

Mechanical angle	360° continuous
Rotational life	5 million shaft revolutions
Starting torque	10 Nmm
Operating torque	7 Nmm
Operating temperature	-40°C to +105°C
Max axial/radial play	0.2mm
Bearing	Sleeve, brass on one end
Mechanical fixing	Variable brackets (included)
Protection rating	IP40
Housing material	Engineered plastic
Shaft carrier material	Engineered plastic

\* Customers should test and verify part performance in any given application. Specifications subject to change without notice.

### Dimensions (mm)



### Special Specifications Available

Improved linearity, custom angles, shaft carrier modifications, pre-wired option, mechanical stops.