

# 640P Series

## Single Turn Hollow Shaft Potentiometer (Conductive Plastic)



Direct replacement to the discontinued Honeywell/Clarostat 640 series.

- Thru-Shaft
- IP54, IP65 Sealing
- Redundancy Option
- Switch Function Option
- Customizable

Electrical Data	
Resistance values	1k, 2k, 5k, 10k, 20k, 50k, 100k
Resistance tolerance	15% (Optional; 10%, 5%)
Effective electrical angle of rotation	80°, 170°, 350° or customer specified
Independent linearity	±5.0% (improved linearity options)
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	With stop 90°, 180° or 360° (continuous)
Starting torque	7 Nmm
Operating torque	5 Nmm
Operating temperature	-40°C...+120°C
Rotational life	5,000,000 shaft revolutions
Operating torque	7 to 10 oz. inch (depending on sealing)
Shock	50G half-sine
Vibration	15G (50 to 1000 Hz)
Housing material	Engineered plastic
Protection class	IP54 (IP65 OPTION)

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)

