

## Industrial Rotary Position Sensor Bushings Mount Type, Conductive Plastic


**FEATURES**

- Fully sealed for high immunity to environmental damage
- Excellent temperature stability
- Rotational life exceeds 2 million revolutions
- Low cost and wide range of options
- Stainless steel shaft
- Shock to 30 g vibration to 15 g at 10 Hz to 2000 Hz

**QUICK REFERENCE DATA**

Sensor type	ROTATIONAL, conductive plastic
Output type	Output by turrets
Market appliance	Industrial
Dimensions	15.81 mm x 17.46 mm




**ELECTRICAL SPECIFICATIONS**

PARAMETER	
Standard resistance	1 k $\Omega$ to 100 k $\Omega$
Capability range	200 k $\Omega$
Resistance tolerance	$\pm 20\%$
Linearity	$\pm 2\%$
Power rating	1.0 W at 85 °C
Electrical travel	240° $\pm$ 4°
Dielectric withstanding	500 V <sub>RMS</sub> at 60 Hz minimum
Output smoothness	0.2 % maximum

**MECHANICAL SPECIFICATIONS**

PARAMETER	
Bearing type	Sleeve
Mechanical rotation	250° $\pm$ 2°
Stop strength	10 in - lb minimum, 11.5 kg/cm
Starting torque	3.0 o.z - in maximum, 216 g/cm
Running torque	3.0 oz. - in maximum, 216 g/cm

**ORDERING INFORMATION/DESCRIPTION**

657	B	F	0			50 k $\Omega$	B10
MODEL	STYLE	SHAFT OPTIONS	SHAFT BUSHING OPTIONS			TOTAL RESISTANCE	PACKAGING
	<b>B:</b> Bushing	<b>R</b> - Round <b>F</b> - Flatted	 Shaft length <b>0</b> - 0.875" FMS <b>1</b> - 0.625" FMS <b>2</b> - 1.000" FMS <b>3</b> - 1.250" FMS	 Bushing length 0.375" FMS 0.250" FMS 0.500" FMS 0.750" FMS	 Flat 0.440" 0.315" 0.440" 0.440"		Box of 10 pieces

**SAP PART NUMBERING GUIDELINES**

657B	R	1	103	BO10
MODEL	END SHAFT	SHAFT AND BUSHING OPTIONS	OHMIC VALUE	PACKAGING
	<b>R:</b> Round	(see above)		





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