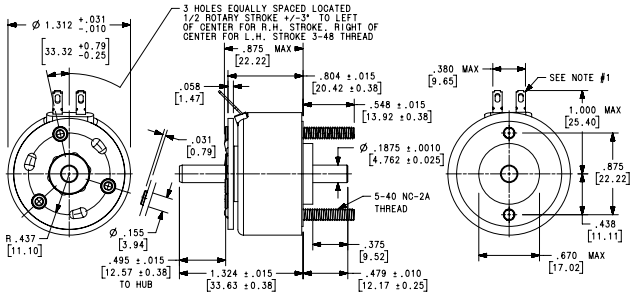
JOHNSON ELECTRIC

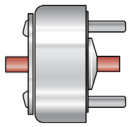
Rotary Solenoid 3 Ball Race

Bobbin Coil - 3B

X3X4X6X9



Double shaft
3 tapped holes
Return spring



				Duty Cycle				
				100%	50%	25%	10%	5%
Part No.	Rotation	Design Type	Resistance (Ω)	VDC (NOM)	VDC (NOM)	VDC (NOM)	VDC (NOM)	VDC (NOM)
810-280-330	25° CW	X3X4X6X9	18.4	14.1	20.0	28.0	45.0	63.0
810-282-330	45° CW	X3X4X6X9	18.4	14.1	20.0	28.0	45.0	63.0

Direction of rotation (cw – clockwise or ccw – counterclockwise) is viewed from the armature end of the solenoid, opposite the mounting studs.
Not recommended for use at 100% duty.

		Starting Torque (lb-in)[1] @ 20°C Maximum Duty Cycle				
Stroke	Holding Torque (lb-in)	100%	50%	25%	10%	5%
25°	0.9	0.35	0.7	1.3	2.7	3.2
45°	0.4	0.15	0.35	0.8	1.4	1.7
Maximum ON Time (sec) when pulsed continuously		∞	100	36	8	2.8
Maximum ON Time (sec) for a single pulse		∞	162	44	9	3.2
Watts (@20°C)		10	20	40	100	200
Ampere Turns (@20°C)		550	785	1100	1740	2464

Gross torque shown. For net available starting torque subtract return spring torque of 0.12lb-in±20%.
Holding torque is shown at the stabilized temperature of 105°C and continuous duty power.

Specifications

- Starting Torque: Gross torque values are shown. For net starting torque, subtract return spring torque
- Minimum Heat Sink: Maximum watts dissipated by solenoid are based on an unrestricted flow of air at 20°C, with solenoid mounted on the equivalent of an aluminum plate measuring 4 5⁄8" square by 1⁄8" thick.
- Coil Resistance: ±10% tolerance
- Weight: 4 oz (113.4 gms)

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Sell Sheet DS-205-3B-01