

FIXED SPEED LINEAR ACTUATOR MOTOR FAMILY

Series SL, SBL Synchronous Linear Actuator



Maximum Load:	SL 15 lbs., SBL 10 lbs.
Rotor Assembly:	Threaded to accept a std. 1/4"-20 5/6 ACME 2G right-hand screw (Class 2G RH)
Insulation Class:	Class A (105°C)
Lead Wire:	4 leads 24 AWG (approx. 9 inches [228.6 mm])
Operation Ambient Temp:	-10°C to +40°C (approx.)
Rotor Bearings:	Ball Bearings Standard
Shaft Length:	8 inches [203.2 mm] max with travel 6.75 inches [171.45 mm]
 Recognition:	E53578(N), Component-Impedance Protected Motors 115V, 60Hz Standard Rotor
Note: Typical data subject to change without notification	

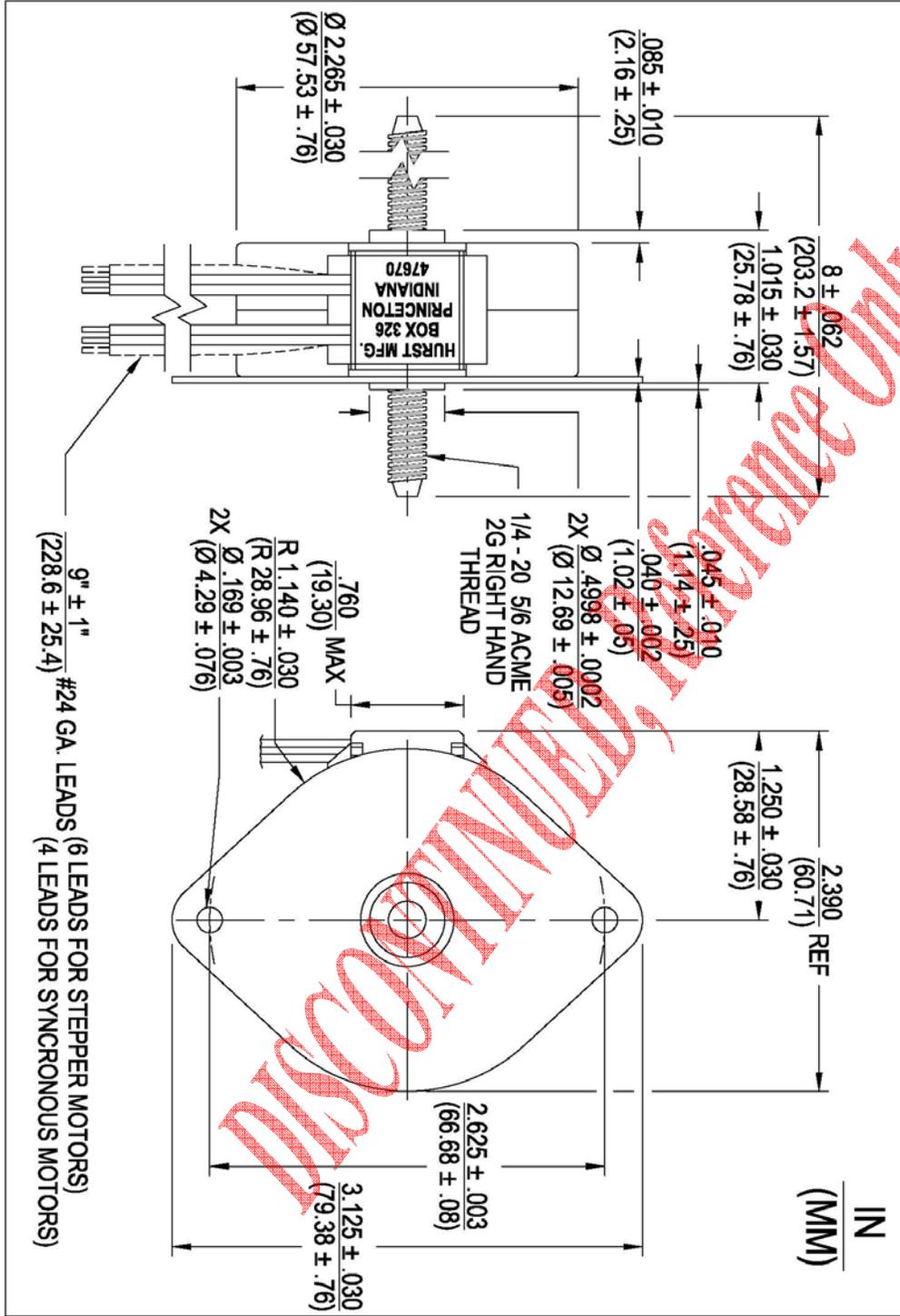
SL and SBL synchronous linear actuators are reversible, permanent magnet types. An integral part of the rotor assembly is a sintered bronze nut for extended life. The nut accepts a 1/4 in. diameter, 0.048 pitch Acme screw that provides linear motion for pushing, pulling, lifting, and positioning applications.

Standard 8 in. [203.2 mm] lead screws have maximum travel of 6.75 in. [171.45 mm] and a maximum thrust of 15 pounds. Screws of other lengths may be specified. Ball bearings are standard. The motors provide travel of 0.24 or 0.48 inch [0.61 or 1.22 cm] per second.

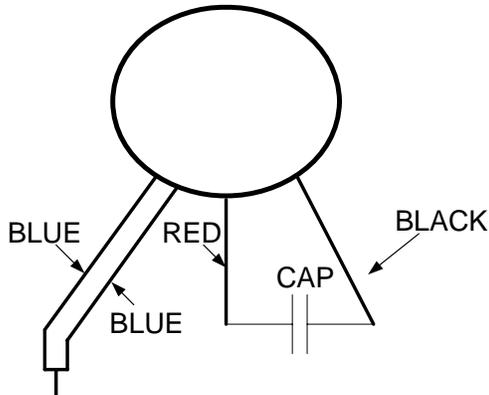
Notes:

- Capacitors are required for SL and SBL synchronous motors.

Model	Part Number	Voltage (Vac) 60 Hz	Rotor Speed (RPM)	in/sec	cm/sec	Maximum Load (lbs)	Maximum Load (kg)	Shaft Length (in)	Shaft Length (cm)	Input Power (watts)	Capacitor Value (mfd)	Capacitor not supplied	Weight (oz)	Weight (g)
SL	4013-001	115	300	.24	.61	15	6.8	8	20.32	6.5	.62		10.5	297.68
SL	4013-003	24	300	.24	.61	15	6.8	8	20.32	6.5	15	X	10.5	297.68
SL	4013-004	220	300	.24	.61	15	6.8	8	20.32	6.5	.18	X	10.5	297.68

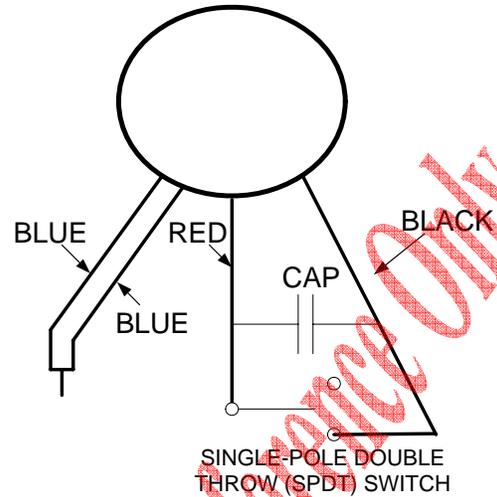


Wiring Diagram



Capacitors are non-polarized and must always be connected between the red and black leads. Always connect the (2) coil blue leads together. Connect the power supply to the blue leads and red lead to produce clockwise (CW) rotation viewing shaft end. Connect the power supply to the blue leads and black lead to produce counter-clockwise (CCW) rotation viewing shaft end.

Optional Wiring Diagram with Switch



Capacitors are non-polarized and must always be connected between the red and black leads. Always connect the (2) coil blue leads together. Connect the power supply to the blue leads and red lead to produce clockwise (CW) rotation viewing shaft end. Connect the power supply to the blue leads and black lead to produce counter-clockwise (CCW) rotation viewing shaft end.

DISCONTINUED - SURPLUS ONLY