

SPECIFICATION	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR	
		SERIAL	PARALLEL
AMPS/PHASE	3.0	2.1	4.2
RESISTANCE/PHASE (Ohms)@25°C	1.0±10%	2.0±10%	0.5±10%
INDUCTANCE/PHASE (mH) @1KHz	2.2±20%	8.8±20%	2.2±20%
SPINDLE PITCH (mm) [in]	2 [0.078]		
THRUST (N) (lb)	1000 [225]		
RESOLUTION (mm/FULLSTEP)	0.01		
STATIC THRUST (NO CURRENT)	>1000 ▲		
MAX. SPEED (mm/sec.) at 48V	80		
MAX. SPEED WITH MAX. THRUST (mm/sec.)	25		
WEIGHT (Kg) [lb]	1.2 [2.64]		
TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)			
AMBIENT TEMPERATURE -10°~ 50°C [14°F ~ 122°F]			
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)			
INSULATION CLASS B 130° [266°F]			
DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)			
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)			

Please regard the application note at www.nanotec.com for further informations.

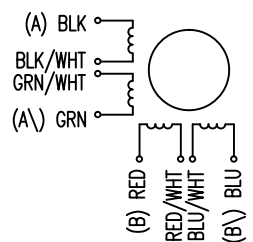
Shaft play is adjustable at the motor.

TYPE OF CONNECTION (EXTERN)				MOTOR		
UNIPOLAR	BIPOLAR 1WINDING	BIPOLAR SERIAL	BIPOLAR PARALLEL	CONNECTOR PIN NO.	LEADS	WINDING
A —	A —	A —	A —	1	BLK	A
COM —	A —	COM —	COM —	3	BLK/WHT	
A\ —	B —	A\ —	A\ —	2	GRN/WHT	A\
B —	B —	B —	B —	4	GRN	B
COM —	B —	COM —	COM —	5	RED	
A\ —	A —	A\ —	A\ —	7	RED/WHT	A\
B\ —	B —	B\ —	B\ —	6	BLU/WHT	B
COM —	B —	COM —	COM —	8	BLU	

FULL STEP 2 PHASE-Ex., WHEN FACING MOUNTING END (X)

STEP	A	B	A\	B\	CCW	CW
1	+	+	-	-	↓	↑
2	-	+	+	-	↓	↑
3	-	-	+	+	↓	↑
4	+	-	-	+	↓	↑

WIRING DIAGRAM



REV	DESCRIPTION	DATE	APVD	SCALE FREE	APVD	G.S.	DATE	LINEAR AKTUATOR
2	3-M2 DEPTH	14.08.15	GYQ	X ±0.5	CHKD	ZYL	03.09.10	DWG.NO L5918L3008-T10x2-A50
1	B-SHAFT+ENCODER HOLE+UPDT.DATA	28.04.15	GYQ	1PL ±0.2 2PL ±0.1 ANGLE ±30'	DRN	GYQ	03.09.10	
REV	DESCRIPTION	DATE	APVD	L5918L3008-T10x2-A50	SIGNATURE	DATE		