

SPECIFICATION	UNIPOLAR OR	BIPOLAR	
	BIPOLAR-1 WINDING	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)			
RESOLUTION (mm/FULLSTEP)	0.01		
STATIC THRUST (NO CURRENT)			
MAX. SPEED (mm/sec.) at 48V	50		
MAX. SPEED WITH MAX. THRUST (mm/sec.)			
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)			

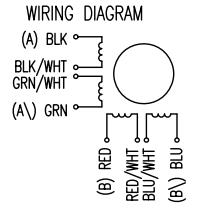
Please regard the application note at [www.nanotec.com](http://www.nanotec.com) for further informations.

Shaft play is adjustable at the motor.

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

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

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



				 <b>Nanotec</b> PLUG & DRIVE	SCALE FREE	APVD			<b>LINEAR AKTUATOR</b> DWG.NO L5918L3008-T10x2-A50
					X ±0.5	CHKD <b>ZYL</b>	03.09.10		
				1PL ±0.2	DRN <b>GYQ</b>	03.09.10			
				2PL ±0.1	SIGNATURE	DATE			
				ANGLE ±30'					
REV	DESCRIPTION	DATE	APVD	L5918L3008-T10x2-A50					