

SPECIFICATION	
AMPS/PHASE	1.8
RESISTANCE/PHASE (Ohms)@25°C	1.1±15%
INDUCTANCE/PHASE (mH) @1KHz	1.85±20%
SPINDLE PITCH (mm) [in]	2 [0.079]
THRUST (N)	300 \triangle \triangle
RESOLUTION (mm/STEP)	0.010
STATIC THRUST (N) (NO CURRENT)	250 \triangle \triangle
MAX. SPEED (mm/sec.) AT 48V	45 \triangle \triangle
WEIGHT (Kg) [lb]	0.24 [0.53]
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)	

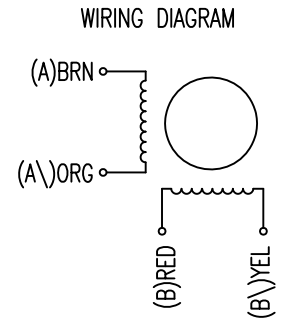
Please regard the application note at www.nanotec.com for further informations. \triangle

Shaft play is adjustable at the motor.

TYPE OF CONNECTION (EXTERN)		MOTOR	
PIN NO	BIPOLAR	LEADS	WINDING
1	A —	BRN	A
2	A\ —	ORG	A\
3	B —	RED	B
4	B\ —	YEL	B\

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

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



5	change tolerance	14.09.16	A.S.	Nanotec PLUG & DRIVE	APVD	S.H.	04.06.09	LINEAR ACTUATOR		
4	change tolerance M3 deep	09.09.15	A.S.		CHKD					
3 (7x)	change threaded hole/ tolerances	16.07.15	A.S.	Surface specification DIN ISO 1302	General tolerances DIN ISO 2768- cH	Work piece edge DIN ISO 13715	DRN	J.W.	04.06.09	DWG.NO
REV	DESCRIPTION	DATE	DRN				SIGNATURE	DATE		L4118M1804-T6x2