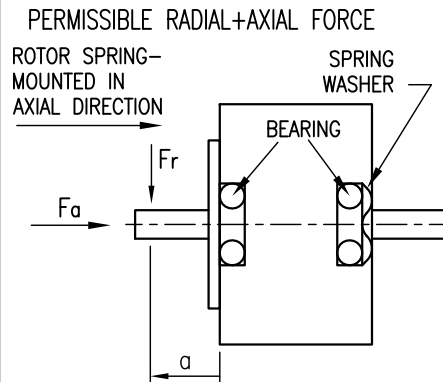


SPECIFICATION	CONNECTION	
	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR SERIAL
VOLTAGE (VDC)	16.5	24.0
AMPS/PHASE	0.22	0.16
RESISTANCE/PHASE (Ohms)@25°C	75±15%	150±15%
INDUCTANCE/PHASE (mH) @1KHz	53±20%	212±20%
HOLDING TORQUE (Nm) [lb-in]	0.15 [1.328]	0.212 [1.876]
DETENT TORQUE (Nm) [lb-in]	5.9x10 ⁻³ [5.222x10 ⁻²]	
STEP ANGLE (°)	1.8	
STEP ACCURACY (NON-ACCUM)	±5%	
ROTOR INERTIA (Kg-m ²) [lb-in ²]	3.8x10 ⁻⁶ [1.3x10 ⁻²]	
WEIGHT (Kg) [lb]	0.2 [0.44]	



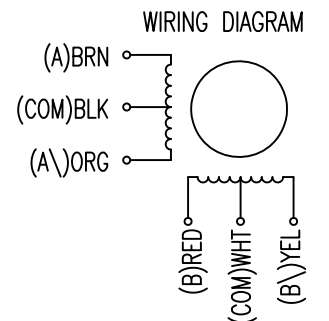
TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)	AXIAL-FORCE Fa (N)	Fa=7			
AMBIENT TEMPERATURE -10°~ 50°C [14°F ~ 122°F]	DISTANCE a (mm)	5	10	15	20
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)	RADIAL-FORCE Fr (N)	58	36	26	20
INSULATION CLASS B 130° [266°F]		AXIAL		RADIAL	
DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)	SHAFT PLAY (mm)	0.08		0.02	
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)	AT LOAD MAX: (N)	4.5		4.5	

TYPE OF CONNECTION (EXTERN)			MOTOR		
UNIPOLAR	BIPOLAR		CONNECTOR PIN NO.	LEADS	WINDING
	1WINDING	SERIAL			
A ---	A ---	A ---	1	BRN	A
COM ---	COM ---		5	BLK	COM
A\ ---		A\ ---	3	ORG	A\
B ---	B ---	B ---	2	RED	B
COM ---	COM ---		6	WHT	COM
B\ ---		B\ ---	4	YEL	B\

for >speed ←
for <speed ←

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

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



2	change motor length	04.10.16	A.S.	 Nanotec PLUG & DRIVE	APVD	<i>S.Ha.</i>	27.04.09	STEPPING MOTOR DWG.NO ST4118S0206-A			
1	rework draw/change depth M3	09.02.16	A.S.		CHKD						
REV	DESCRIPTION	DATE	DRN	Surface specification DIN ISO 1302	General tolerances DIN ISO 2768- cH	Work piece edge DIN ISO 13715	DRN	<i>J.W.</i>	27.04.09	SIGNATURE	DATE