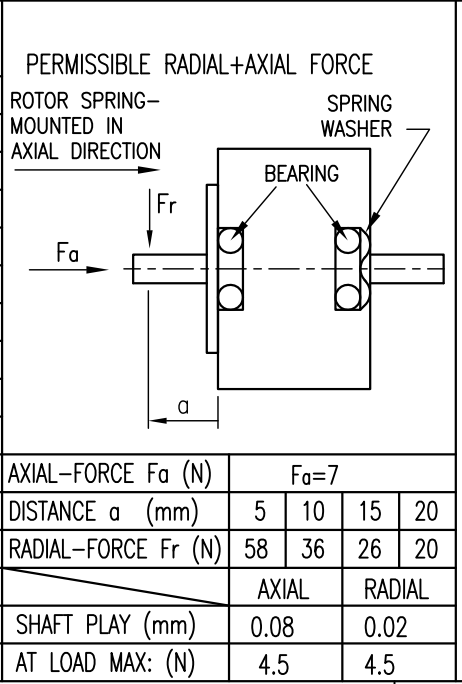


CONNECTION	BIPOLAR
SPECIFICATION	
VOLTAGE (VDC)	3.3
AMPS/PHASE	3.0
RESISTANCE/PHASE (Ohms)@25°C	1.1±15%
INDUCTANCE/PHASE (mH) @1KHz	2.7±20%
HOLDING TORQUE (Nm) [lb-in]	0.8 [7.08]
DETENT TORQUE (Nm) [lb-in]	2.8x10 <sup>-2</sup> [0.25]
STEP ANGLE (°)	1.8
STEP ACCURACY (NON-ACCUM)	±5%
ROTOR INERTIA (Kg-m <sup>2</sup> ) [lb-in <sup>2</sup> ]	1.02x10 <sup>-5</sup> [3.48x10 <sup>-2</sup> ]
WEIGHT (Kg) [lb]	0.5 [1.1]
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)	



TYPE OF CONNECTION (EXTERN)	MOTOR		
	BIPOLAR	LEADS	WINDING
PIN NO			
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	+	-	-	+	↓	↑

WIRING DIAGRAM

				<b>Nanotec</b> PLUG & DRIVE			APVD	<i>S.Ha.</i>	17.03.10	<b>STEPPING MOTOR</b>
2	change AWG	23.06.16	A.S.			CHKD				
1	rework draw/change depth M2.5/M3	10.02.16	A.S.	Surface specification DIN ISO 1302	General tolerances DIN ISO 2768- cH	Work piece edge DIN ISO 13715	DRN	<i>J.W.</i>	17.03.10	DWG.NO
REV	DESCRIPTION	DATE	DRN				SIGNATURE	DATE		ST4118D3004-B