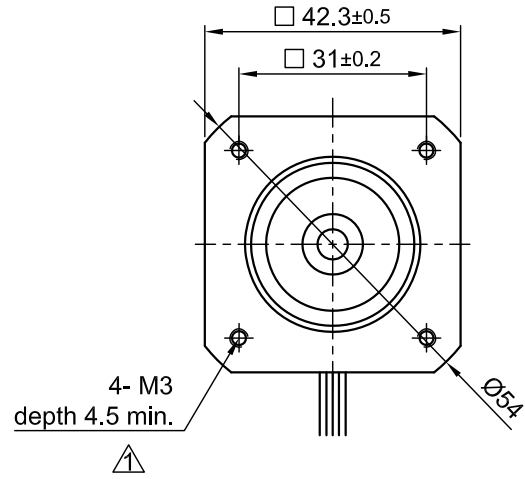
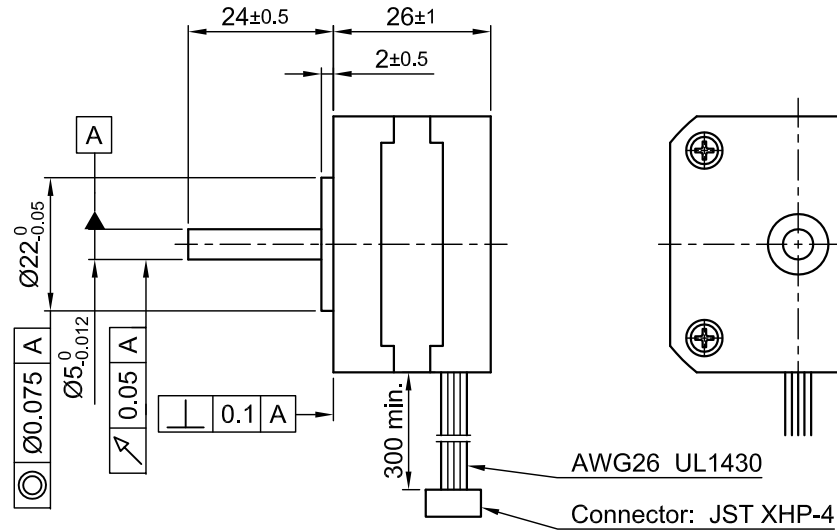


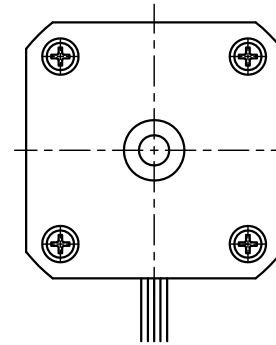
Front view and mounting



Side view

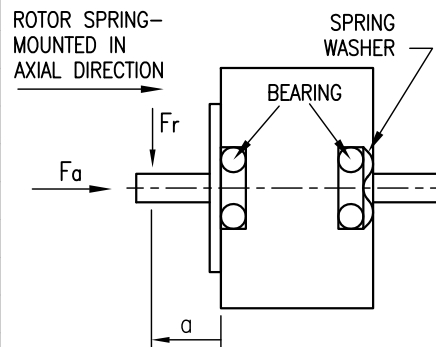


Rear view



CONNECTION	BIPOLAR
SPECIFICATION	
VOLTAGE (VDC)	2.8
AMPS/PHASE	1.4
RESISTANCE/PHASE (Ohms)@25°C	2.0±15%
INDUCTANCE/PHASE (mH) @1KHz	1.6±20%
HOLDING TORQUE (Nm) [lb-in]	0.09 [0.797]
DETENT TORQUE (Nm) [lb-in]	3.1x10 ⁻⁴ [2.79x10 ⁻³]
STEP ANGLE (°)	1.8
STEP ACCURACY (NON-ACCUM)	±5%
ROTOR INERTIA (Kg-m ²) [lb-in ²]	2.0x10 ⁻⁶ [6.83x10 ⁻⁴]
WEIGHT (Kg) [lb]	0.15 [0.33]
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)	

PERMISSIBLE RADIAL+AXIAL FORCE

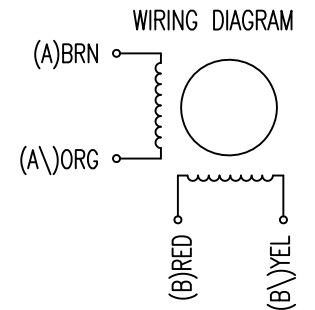


AXIAL-FORCE Fa (N)	Fa=7			
DISTANCE a (mm)	5	10	15	20
RADIAL-FORCE Fr (N)	58	36	26	20
		AXIAL	RADIAL	
SHAFT PLAY (mm)	0.08	0.02		
AT LOAD MAX: (N)	4.5	4.5		

PIN NO	TYPE OF CONNECTION (EXTERN)		MOTOR	
	BIPOLAR	LEADS	WINDING	
1	A —	BRN	A	[Circuit diagram showing two coils in series]
2	A\ —	ORG	A\	
3	B —	RED	B	[Circuit diagram showing two coils in series]
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	+	-	-	+	↓	↑



				Nanotec PLUG & DRIVE			APVD	S.Ha.	17.10.08	STEPPING MOTOR
				Surface specification DIN ISO 1302	General tolerances DIN ISO 2768- cH	Work piece edge DIN ISO 13715	CHKD			
1	rework draw/change depth M3	09.02.16	A.S.				DRN	J.W.	17.10.08	DWG.NO
REV	DESCRIPTION	DATE	DRN				SIGNATURE		DATE	ST4118X1404-A