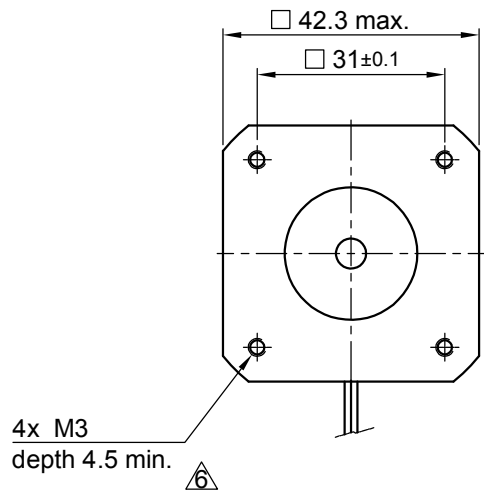
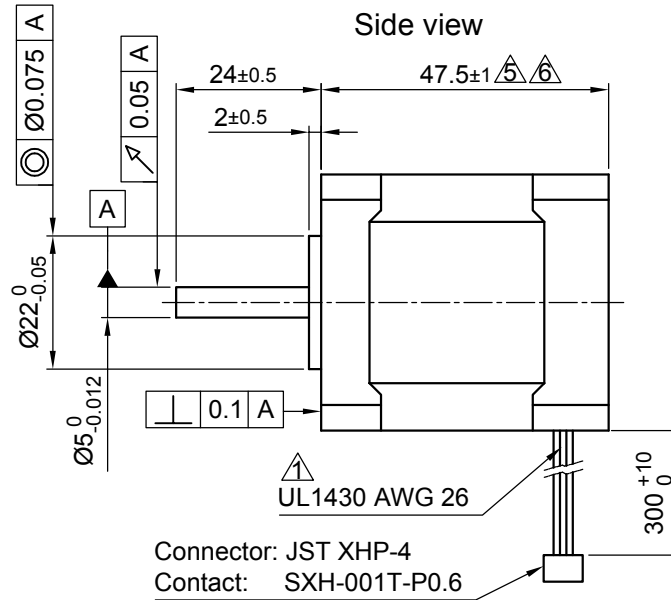


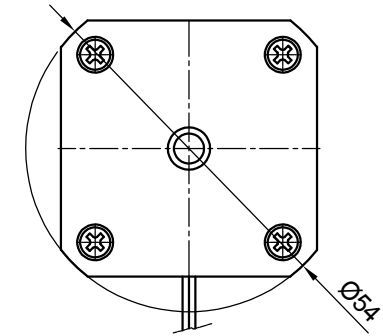
Front view and mounting



Side view

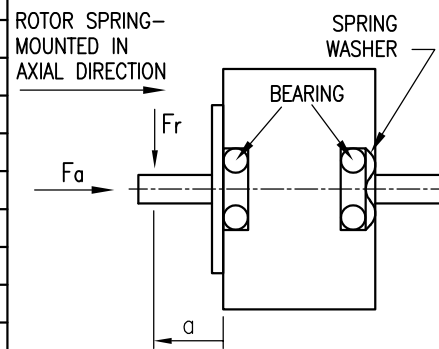


Rear view



CONNECTION	BIPOLAR
SPECIFICATION	
VOLTAGE (VDC)	3 $\Delta$
AMPS/PHASE	1.68
RESISTANCE/PHASE ( $\Omega$ )@25°C	1.8±15% $\Delta$
INDUCTANCE/PHASE (mH) @1KHz	5.0±20% $\Delta$
HOLDING TORQUE (Nm) [lb-in]	0.44 [3.894]
STEP ANGLE (°)	0.9
STEP ACCURACY (NON-ACCUM)	±5% $\Delta$
ROTOR INERTIA ( $\text{Kg-m}^2$ ) [lb-in <sup>2</sup> ]	6.8x10 <sup>-6</sup> [0.0232]
WEIGHT (Kg) [lb]	0.35 [0.77]

PERMISSIBLE RADIAL+AXIAL FORCE



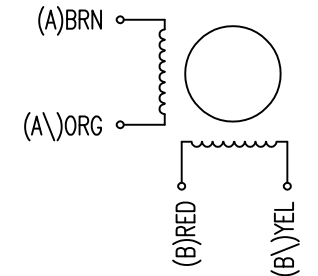
	AXIAL-FORCE $F_a$ (N)	$F_a=7$			
AMBIENT TEMPERATURE -10°~ 50°C [14°F ~ 122°F]	DISTANCE a (mm)	5	10	15	20
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)	RADIAL-FORCE $F_r$ (N)	58	36	26	20
INSULATION CLASS B 130° [266°F]			AXIAL	RADIAL	
DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)	SHAFT PLAY (mm)	0.075	0.025		
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)	AT LOAD MAX: (N)	10	5.0		

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



6	updt. mot. length/rev. dwg	17.05.17	A.S.
5	MOTOR LENGTH TOLERANCE	03.04.17	G.S.
4	NEW DATA	17.06.16	B.L.
REV	DESCRIPTION	DATE	DRN $\Delta$

**Nanotec**  
PLUG & DRIVE

Surface specification  
DIN ISO 1302

General tolerances  
DIN ISO 2768- cH

Work piece edge  
DIN ISO 13715

APVD	<i>S.Ha.</i>	26.02.07
CHKD		
DRN	<i>J.W.</i>	21.06.06
SIGNATURE	DATE	

**STEPPING MOTOR**

DWG.NO

ST4209L1704-A