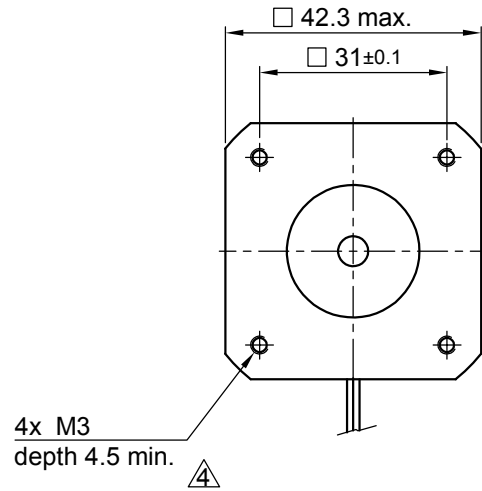
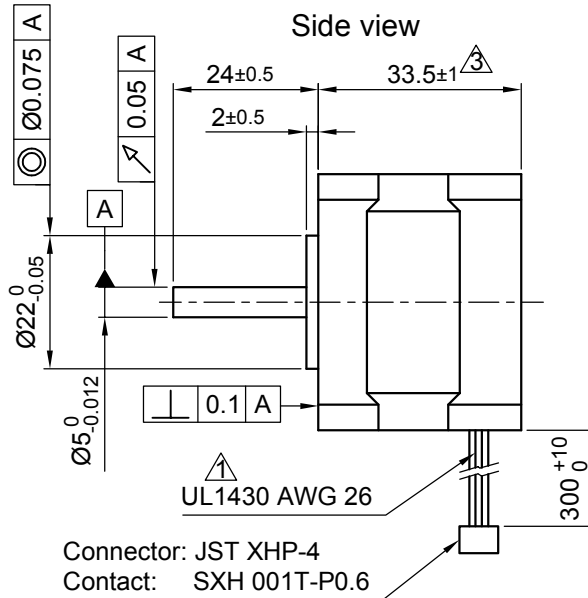


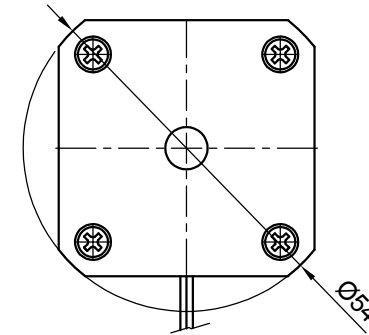
Front view and mounting



Side view

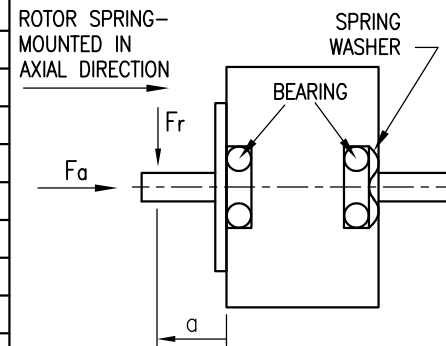


Rear view



SPECIFICATION	CONNECTION	BIPOLAR
VOLTAGE (VDC)		5.46
AMPS/PHASE		0.42
RESISTANCE/PHASE (Ohms)@25°C		13±15%
INDUCTANCE/PHASE (mH) @1KHz		7.5±20%
HOLDING TORQUE (Nm) [lb-in]		0.176 [1.56]
STEP ANGLE (°)		0.9
STEP ACCURACY (NON-ACCUM)		±5%
ROTOR INERTIA (Kg-m <sup>2</sup> ) [lb-in <sup>2</sup> ]		3.5x10 <sup>-6</sup> [0.012]
WEIGHT (Kg) [lb]		0.22 [0.49]

PERMISSIBLE RADIAL+AXIAL FORCE



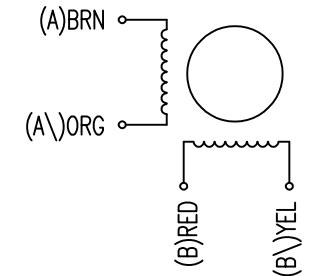
TYPE OF CONNECTION (EXTERN)	MOTOR			
	BIPOLAR	CONNECTOR PIN NO.	LEADS	WINDING
A —	1	BRN	A	
A\ —	2	ORG	A\	
B —	3	RED	B	
B\ —	4	YEL	B\	

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)	0.075	0.025		
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)	AT LOAD MAX: (N)	10	5.0		

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

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

WIRING DIAGRAM



4	change tol./revise drawing	11.05.17	A.S.
3	TOLERANCE OF MOTOR LENGTH	03.4.17	G.S.
2	VALUE OF HOLDING TORQUE	16.4.13	A.S.
REV	DESCRIPTION	DATE	DRN



Surface specification DIN ISO 1302	General tolerances DIN ISO 2768- cH	Work piece edge DIN ISO 13715
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APVD	S.H.a.	08.05.07
CHKD		
DRN	J.W.	08.05.07
SIGNATURE	DATE	

STEPPING MOTOR	
DWG.NO	ST4209S0404-A