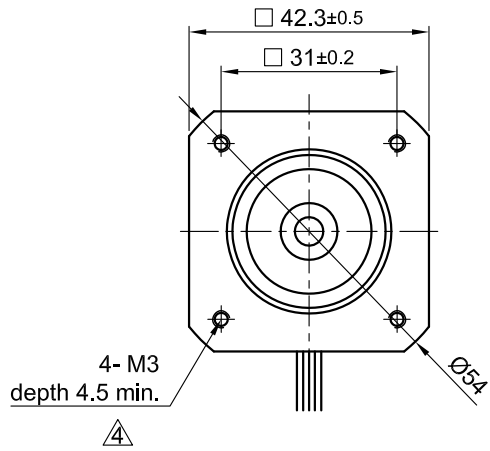
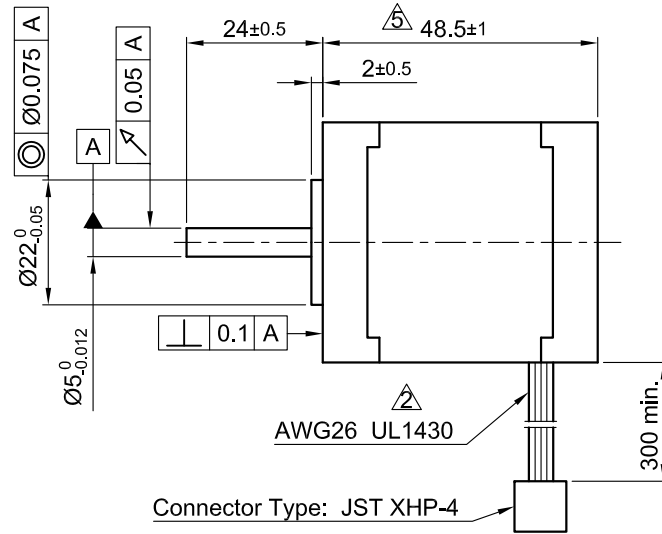


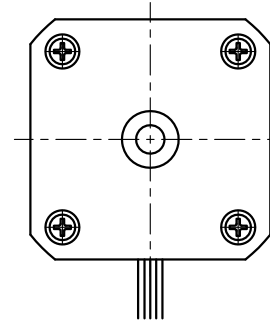
Front view and mounting



Side view

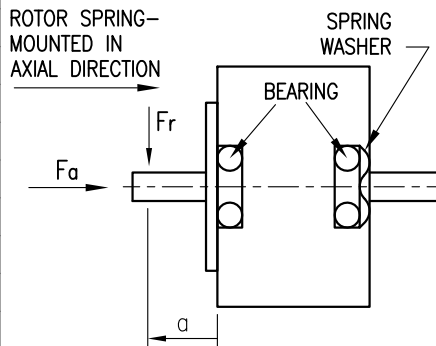


Rear view



SPECIFICATION	CONNECTION	BIPOLAR
VOLTAGE (VDC)		3.15
AMPS/PHASE		1.8
RESISTANCE/PHASE (Ohms)@25°C		1.75±15%
INDUCTANCE/PHASE (mH) @1KHz		3.3±20%
HOLDING TORQUE (Nm) [lb-in]		0.5 [4.425]
DETENT TORQUE (Nm) [lb-in]		2.2x10 <sup>-2</sup> [0.1946]
STEP ANGLE (°)		1.8
STEP ACCURACY (NON-ACCUM)		±5%
ROTOR INERTIA (Kg-m <sup>2</sup> ) [lb-in <sup>2</sup> ]		8.27x10 <sup>-6</sup> [2.8x10 <sup>-2</sup> ]
WEIGHT (Kg) [lb]		0.34 [0.75]

PERMISSIBLE RADIAL+AXIAL FORCE

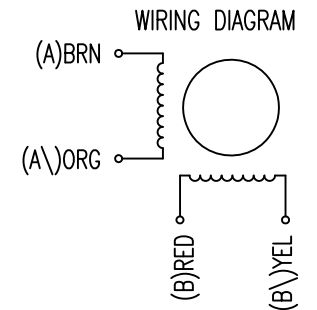


TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)	AXIAL-FORCE Fa (N)	Fa=7			
AMBIENT TEMPERATURE -10~ 50°C [14°F ~ 122°F]	DISTANCE a (mm)	5	10	15	20
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)	RADIAL-FORCE Fr (N)	58	36	26	20
INSULATION CLASS B 130° [266°F]		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	

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



5	change motor length	01.06.16	A.S.
4	rework draw/change depth M3	10.02.16	A.S.
3	VALUE OF DETENT TORQUE	27.02.12	J.W.
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.Ha.	26.02.07
CHKD		
DRN	J.W.	30.11.06
SIGNATURE	DATE	

STEPPING MOTOR

DWG.NO  
ST4118L1804-A