SPECIFICATIONS:

NUMBER OF PHASES: 2	ROTOR INERTIA: 260 g–cm² (1.42 oz–in²) NOM
STEPS PER REVOLUTION: 200	INSULATION CLASS: B
STEP ANGLE: 1.8°	TEMP. RISE: 80 °C MAX.
STEP TO STEP ACCURACY: ±0.09° [1] , [2]	OPERATING TEMP. RANGE: –20 TO +50 °C [9]
POSITIONAL ACCURACY: ± 5 % [1] , [3]	STORAGE TEMP. RANGE: –30 TO +70 °C
AXIAL MOVEMENT: 0.1mm MAX (100N AXIAL FORCE)	RELATIVE HUMIDITY RANGE: 15 TO 85 %
BEARING SIZE: 28*15*7 mm	WEIGHT: 0.6 kg (1.32 lb)
SHAFT MATERIAL: SUS303	

HH23–101

REVISIONS				
ECO NO.	REV	DESCRIPTION	DATE	APPROVED
7068	A	PRELIMINARY RELEASE	10/24/14	D.MACLEOD
7445	B	REVISE NOTE 11	6/6/16	J.KORDIK
8359	C	1ST ANGLE TO 3RD	10/31/19	J.KORDIK
–	–	–	–	–
–	–	–	–	–
–	–	–	–	–
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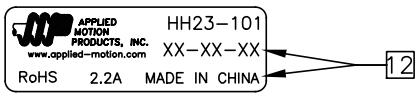
–	–	–	–	–
–	–	–	–	–
–	–	–	–	–
–	–	–	–	–

SPECIFICATION / CONNECTION	RESISTANCE PER PHASE (ohm ±10%) [7]	INDUCTANCE PER PHASE (mH ±20%) [8]	RATED CURRENT (amp)	HOLDING TORQUE (Nm MIN) [1]	HOLDING TORQUE (oz–in Min) [1]
BI–POLAR SERIES	1.6	6.9	2.2	1.5	212.4

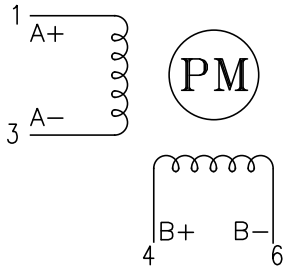
NOTES, UNLESS OTHERWISE SPECIFIED:

[1] MEASURMENTS MADE AT RATED CURRENT IN EACH PHASE.
[2] BETWEEN ANY TWO ADJACENT FULL STEP POSITIONS.
[3] MAXIMUM ERROR IN 360°.
4 HIPOT 500 VAC, 60 Hz FOR ONE MINUTE.
[5] CONNECTOR: JSTS6B–XH–A–1(LF)(SN)
6 INSULATION RESISTANCE: 100 MEGOHMS MIN AT 500 VDC.
[7] AS MEASURED ACROSS EACH PHASE.
[8] AS MEASURED ACROSS EACH PHASE USING AN A.C. INDUCTANCE BRIDGE AT 1 KHz.
[9] AS MEASURED BY THE CHANGE IN RESISTANCE METHOD, WITH RATED CURRENT APPLIED TO 2 PHASES; WITH MOTOR AT REST.
10 ROTOR & STATOR LAMINATED CONSTRUCTION.
11 THIS MOTOR IS MANUFACTURED IN COMPLIANCE WITH THE CURRENT EU RoHS DIRECTIVE.
[12] MOTOR LABEL TO INCLUDE "ROHS" COMPLIANT, AMP P/N, 'MADE IN (COUNTRY OF ORIGIN)', AND DATE CODE.
13 HIGH TORQUE MOTOR DESIGN.

LABEL DETAIL



PHASE DETAIL

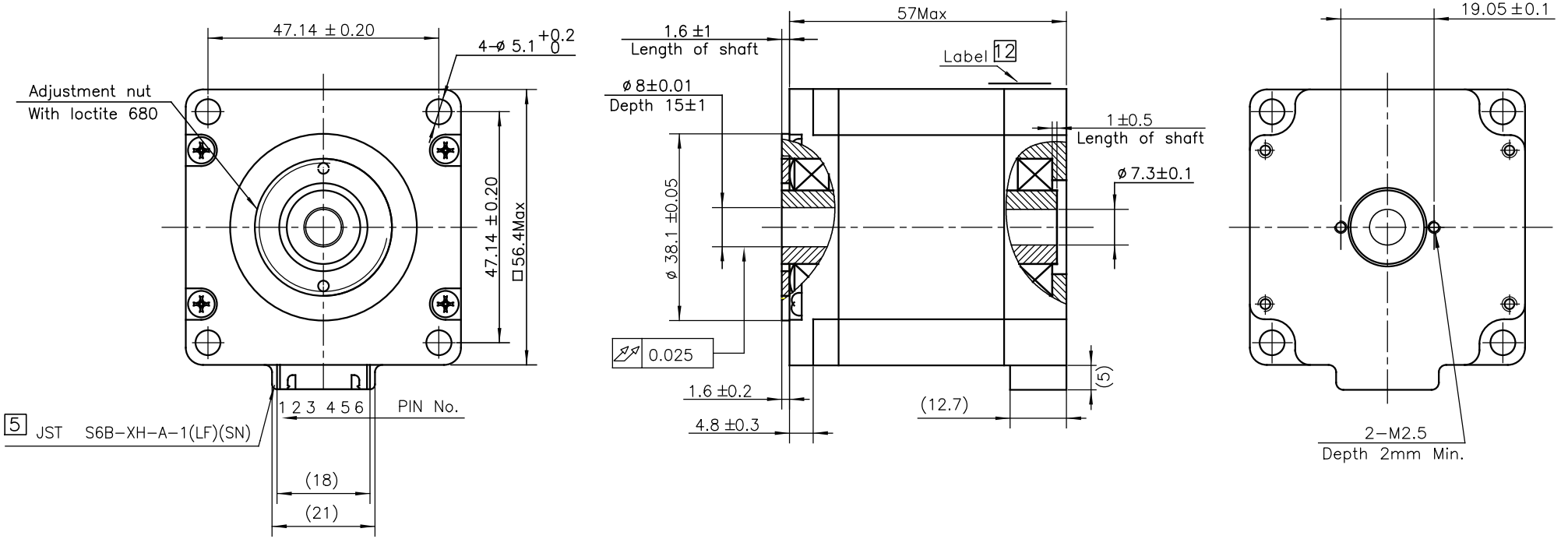


FULL STEP SWITCHING SEQUENCE
BI–POLAR, FACING MOUNTING END

STEP	A+	A–	B+	B–
0	+	–	+	–
1	–	+	+	–
2	–	+	–	+
3	+	–	–	+
4	+	–	+	–

CW ↓ CCW ↑

CONTRACT NO. –		APPLIED MOTION PRODUCTS, INC.	
APPROVALS	DATE	STEP MOTOR OUTLINE	
DRAWN K.KESLER	10/31/19		
CHECKED R.JONEZ	10/31/19	B COMPUTER DATA BASE DRAWING	DWG NO. HH23–101 REV C
APPROVED J.KORDIK	10/31/19		
APPROVED –	_	SCALE: NONE	SHEET 1 OF 2



*ALL DIMENSIONS IN MM

TOLERANCES	THIRD ANGLE PROJECTION		APPLIED MOTION PRODUCTS, INC.
DECIMALS: MM X.XX = ±0.13 X.X = ±0.25 X = ±0.5 ANGLES: MACH. = ±0.5° CHAM. = ±5°			STEP MOTOR OUTLINE
	APPROVALS	DATE	
	DRAWN K.KESLER	10/31/19	B / DWG NO. HH23-101 / REV C
	CHECKED R.JONEZ	10/31/19	
COMPUTER DATA BASE DRAWING	APPROVED —	—	SCALE: NONE / SHEET 2 OF 2