SPECIFICATIONS:

STEPS PER REVOLUTION: 200	ROTOR INERTIA:260 G–CM^2 (3.68E–03 oz–in–sec^2)NOM
STEP ANGLE: 1.8°	DETENT TORQUE: 0.040 N–m (5.66 oz–in) MIN
STEP TO STEP ACCURACY:±.09 DEGREE [1], [2]	INSULATION CLASS: B
POSITIONAL ACCURACY: ±.09 DEGREES [1], [3]	WEIGHT: 0.6 KG (1.32 LB)
RADIAL PLAY: 0.02 mm MAX W/.5KG RADIAL LOAD	OPERATING TEMP. RANGE: –20 TO +50 °C
TEMP. RISE: 80 °C MAX. [8]	STORAGE TEMP. RANGE: –30 TO +70 °C
RELATIVE HUMIDITY RANGE: 15 TO 85 %	

SPECIFICATION / CONNECTION	RESISTANCE PER PHASE OHM ±10% [3]	INDUCTANCE PER PHASE mH ±20% [7]	RATED CURRENT Amp	HOLDING TORQUE N–m Min [1]	HOLDING TORQUE oz–in Min [1]
BI–POLAR SERIES	1.8	4.6	2.12	1.51	213.8
BI–POLAR PARALLEL	0.45	1.15	4.24	1.51	213.8
UNI–POLAR	0.9	1.15	3.00	1.07	151.5

HT23–598

REVISIONS

ECO NO.	REV	DESCRIPTION	DATE	APPROVED
5976	A	INITIAL RELEASE	8/28/09	J KORDIK
6090	B	STANDARDIZE ENCODER HOLES	3/29/10	J KORDIK
6345	C	DRAWING CLEANUP	9/20/11	E. RICE
6394	D	REVISE NOTE 5	11/7/11	E. RICE
6807	E	REVISE FLANGE THICKNESS	9/9/13	J KORDIK
7247	F	ADD UL TO LABEL	1/26/16	J KORDIK
7445	G	REVISE NOTE 10	6/6/16	J KORDIK
8209	H	SPECS UPDATED	4/29/19	J KORDIK

NOTES, UNLESS OTHERWISE SPECIFIED:

[1] MEASUREMENTS MADE AT RATED CURRENT IN BOTH PHASES.

[2] BETWEEN ANY TWO ADJACENT FULL STEP POSITIONS.

[3] MEASUREMENTS MADE AT LEAD ENDS.

4. HIPOT 500 VAC, 60 Hz FOR ONE MINUTE.

5. LEADS: 8, 22 AWG, 7 STRAND MIN., UL AND CSA APPROVED, UL 1430 OR UL 3265.

6. INSULATION RESISTANCE: 100 MEGOHMS MIN AT 500 VDC.

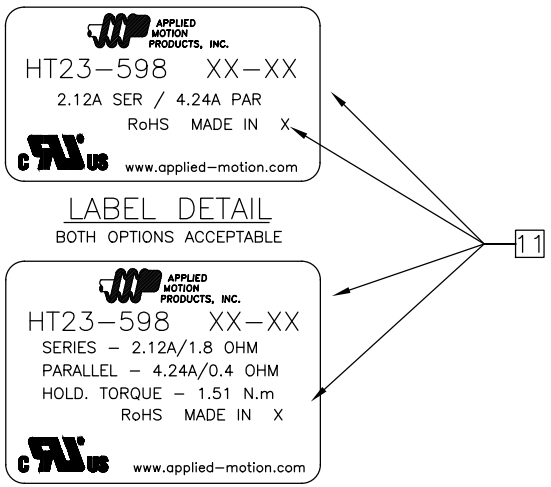
[7] AS MEASURED ACROSS ANY WINDING USING AN A.C. INDUCTANCE BRIDGE, AT 1 kHz. MEASUREMENTS MADE AT LEAD ENDS.

[8] AS MEASURED BY THE CHANGE IN RESISTANCE METHOD, WITH RATED VOLTAGE APPLIED TO 2 PHASES; WITH MOTOR AT REST.

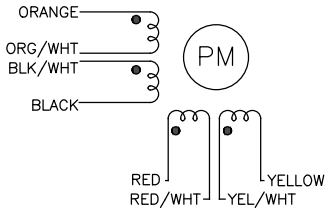
[9] SHAFT OPTION: IF DOUBLE SHAFT REQUIRED ADD "D" TO END OF PART NUMBER. DOUBLE SHAFT REQUIRES ADDED HOLES FOR ENCODER OPTION.

10. THIS MOTOR IS MANUFACTURED IN COMPLIANCE WITH THE CURRENT EU RoHS DIRECTIVE.

[11] MOTOR LABEL TO INCLUDE "ROHS" COMPLIANT, 'MADE IN (COUNTRY OF ORIGIN)' AND DATE CODE.



WIRING DIAGRAM



BI–POLAR, FULL STEP, 2 PHASE ON

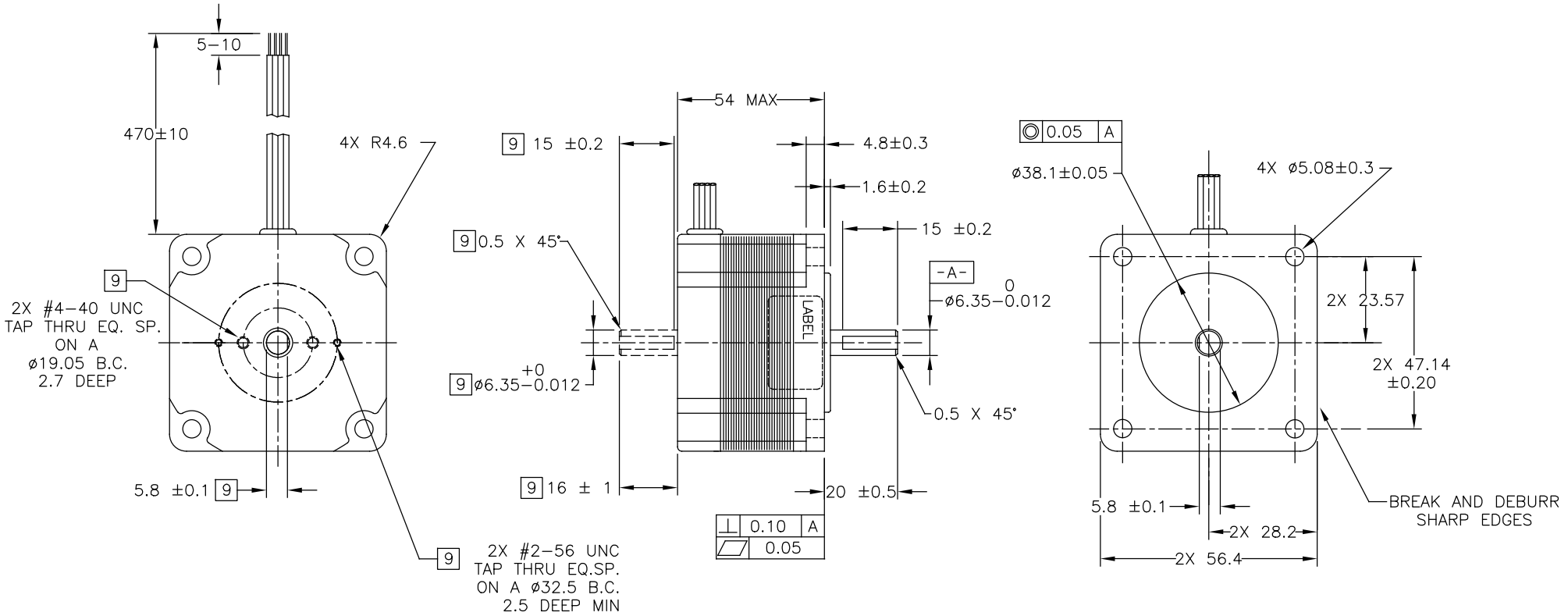
STEP	ORANGE & BLK/WHT	BLACK & ORG/WHT	RED & YEL/WHT	YELLOW & RED/WHT
0	+	–	+	–
1	–	+	+	–
2	–	+	–	+
3	+	–	–	+
4	+	–	+	–

CW ↓ CCW ↑

SWITCHING SEQUENCE FOR ROTATION FACING MOUNTING END.

CONTRACT NO. –	APPLIED MOTION PRODUCTS, INC.
APPROVALS / DATE	STEP MOTOR OUTLINE
DRAWN R.JONEZ 8/20/09	
CHECKED E.RICE 9/20/11	B — COMPUTER DATA BASE DRAWING — DWG NO. HT23–598 — REV H
APPROVED	SCALE: NONE — SHEET 1 OF 2
APPROVED	

MOTOR DRAWING



TOLERANCES	THIRD ANGLE PROJECTION		APPLIED MOTION PRODUCTS, INC.
DECIMALS: MM (INCH) X.XXX= ±0.013 (.005) X.XX = ±0.25 (.01) X.X = ±2.5 (0.1) ANGLES: MACH. = ±.5° CHAM. = ±5°			STEP MOTOR OUTLINE
COMPUTER DATA BASE DRAWING	APPROVALS	DATE	B / DWG NO. HT23–598 / REV H
	DRAWN R.JONEZ	8/20/09	
	CHECKED		
	APPROVED		SCALE: NONE / SHEET 2 OF 2