SPECIFICATIONS:

STEPS PER REVOLUTION: 200	ROTOR INERTIA: 460 G–CM^2(6.51E–03 oz–in–sec^2)NOM
STEP ANGLE: 1.8°	DETENT TORQUE: 0.070 N–m (9.91 oz–in) MIN
STEP TO STEP ACCURACY:±.09 DEGREES [1], [2]	INSULATION CLASS: B
RADIAL PLAY: 0.02 mm MAX W/.5KG RADIAL LOAD	WEIGHT: 1.0 KG (2.2 LB)
TEMP. RISE: 80 °C MAX. [8]	OPERATING TEMP. RANGE: –20 TO +50 °C
RELATIVE HUMIDITY RANGE: 15 TO 85 %	STORAGE TEMP. RANGE: –30 TO +70 °C

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	2.0	6.8	2.12	1.90	269
BI–POLAR PARALLEL	0.5	1.7	4.24	1.90	269
UNI–POLAR	1.0	1.7	3.00	1.35	191

HT23–601D–BAA

REVISIONS

ECO NO.	REV	DESCRIPTION	DATE	APPROVED
7747	A	INITIAL RELEASE	12/20/17	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.

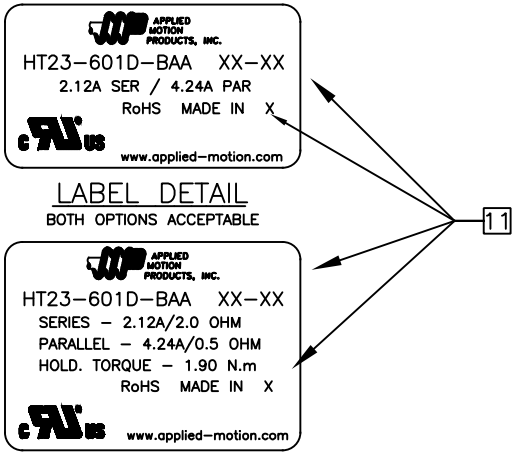
[8] AS MEASURED BY THE CHANGE IN RESISTANCE METHOD, WITH RATED VOLTAGE APPLIED TO 2 PHASES; WITH MOTOR AT REST.

[9] ENCODER 970–1028 INSTALLED PER AMP ASSEMBLY PRACTICES. ENCODER CABLE SOLD SEPARATELY.

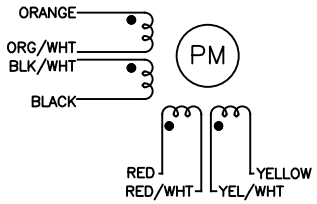
10. THIS MOTOR IS MANUFACTURED IN COMPLIANCE WITH THE CURRENT EU RoHS DIRECTIVE.

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

12. OTHER TAPPED HOLES MAY BE PRESENT ON REAR OF MOTOR.



WIRING DIAGRAM



BI–POLAR, FULL STEP, 2 PHASE ON

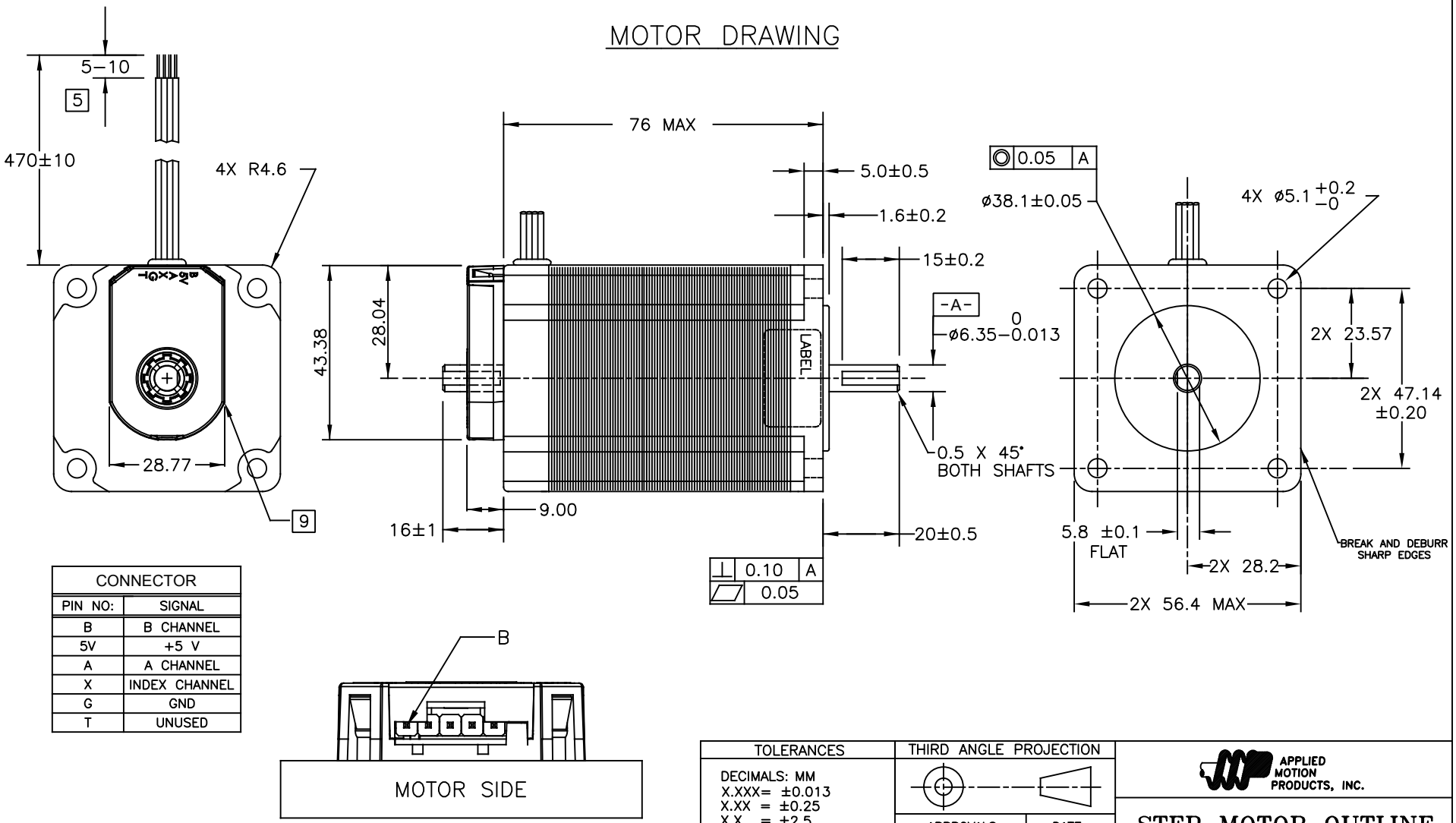
STEP	ORANGE & BLK/WHT	BLACK & ORG/WHT	RED & YEL/WHT	YELLOW & RED/WHT
0	+	–	+	–
1	–	+	+	–
2	–	+	–	+
3	+	–	–	+
4	+	–	+	–

CW ↓ CCW ↑

SWITCHING SEQUENCE FOR ROTATION FACING MOUNTING END.

CONTRACT NO.		APPLIED MOTION PRODUCTS, INC.	
APPROVALS	DATE	STEP MOTOR OUTLINE	
DRAWN N.DEY	10/25/17		
CHECKED K.KESLER	12/20/17	B — COMPUTER DATA BASE DRAWING	DWG NO. HT23–601D–BAA — REV A
APPROVED J.KORDIK	12/20/17	SCALE: NONE	SHEET 1 OF 2
APPROVED			

MOTOR DRAWING



CONNECTOR	
PIN NO:	SIGNAL
B	B CHANNEL
5V	+5 V
A	A CHANNEL
X	INDEX CHANNEL
G	GND
T	UNUSED

TOLERANCES	THIRD ANGLE PROJECTION
DECIMALS: MM X.XXX= ±0.013 X.XX = ±0.25 X.X = ±2.5 ANGLES: MACH. = ±.5° CHAM. = ±5°	
COMPUTER DATA BASE DRAWING	

APPROVALS	DATE
DRAWN N.DEY	10/25/17
CHECKED K.KESLER	12/20/17
APPROVED J.KORDIK	12/20/17

APPLIED MOTION PRODUCTS, INC.

STEP MOTOR OUTLINE

B	DWG NO. HT23–601D–BAA	REV A

SCALE: 7:10 | SHEET 2 OF 2