

SPECIFICATIONS:	
STEPS PER REVOLUTION: 200	ROTOR INERTIA:260 G-CM <sup>2</sup> (3.68E-03 oz-in-sec <sup>2</sup> )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
RADIAL PLAY:0.02 mm MAX W/.5KG RADIAL LOAD	WEIGHT: 0.6 KG (1.32 LB)
TEMP. RISE: 80 °C MAX. [8]	OPERATING TEMP. RANGE: -20 TO +50 °C
RELATIVE HUMIDITY RANGE: 15 TO 99 %	STORAGE TEMP. RANGE: -30 TO +70 °C

	③	⑦		①	①
SPECIFICATION	RESISTANCE PER PHASE OHM ±10%	INDUCTANCE PER PHASE mH ±20%	RATED CURRENT Amp	HOLDING TORQUE N-m Min	HOLDING TORQUE oz-in Min
CONNECTION					
BI-POLAR SERIES	2.0	5.7	2.12	1.12	158
BI-POLAR PARALLEL	0.5	1.4	4.24	1.12	158
UNI-POLAR	1.0	1.4	3.00	0.85	120

NOTES, UNLESS OTHERWISE SPECIFIED:

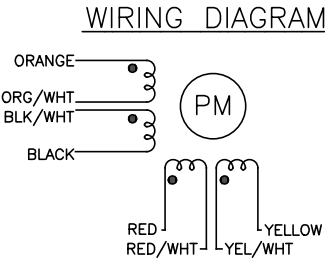
- [1] MEASUREMENTS MADE AT RATED CURRENT IN BOTH PHASES.
- [2] BETWEEN ANY TWO ADJACENT FULL STEP POSITIONS.
- [3] MEASUREMENTS MADE AT LEAD ENDS.
4. HIPOT 500 VAC, 60 Hz FOR ONE MINUTE.
- [5] LEADS: 8, 22 AWG, 7 STRAND MIN., UL AND CSA APPROVED, 105°C RATED SHIELDED CABLE 666-2126.
6. INSULATION RESISTANCE: 100 MEGOHMS MIN AT 500 VDC.
- [7] MEASURED USING AN A.C. INDUCTANCE BRIDGE, AT 1KHz AT LEAD ENDS.
- [8] AS MEASURED BY THE CHANGE IN RESISTANCE METHOD, WITH RATED CURRENT APPLIED TO 2 PHASES; WITH MOTOR AT REST.
9. HIGH TORQUE MOTOR DESIGN, MICROSTEP LAMINATION, INTENDED FOR USE WITH 80VDC DRIVES WHEN WINDINGS CONNECTED IN PARALLEL AND WITH 160VDC DRIVES WHEN WINDINGS CONNECTED IN SERIES.
10. THIS MOTOR TO BE MANUFACTURED IN COMPLIANCE WITH EU DIRECTIVE "ROHS 2002/95/EC".
- [11] MOTOR LABEL TO INCLUDE "ROHS" COMPLIANT, 'MADE IN (COUNTRY OF ORIGIN)' AND DATE CODE.
- [12] CABLE GLAND TO BE NICKEL-PLATED BRASS, ASI P/N 3012215 OR EQUIVALENT.
- [13] ENCODER 970-1001 INSTALLED PER AMP ASSEMBLY PRACTICES. ENCODER CABLE SOLD SEPARATELY.
14. OTHER TAPPED HOLES MAY BE PRESENT ON REAR OF MOTOR.

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

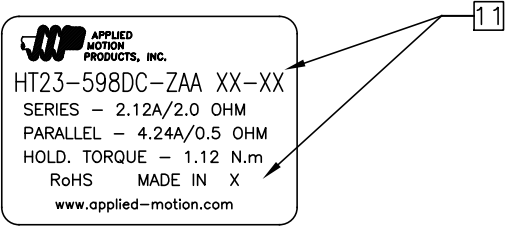
SWITCHING SEQUENCE FOR ROTATION FACING MOUNTING END.




HT23-598DC-ZAA

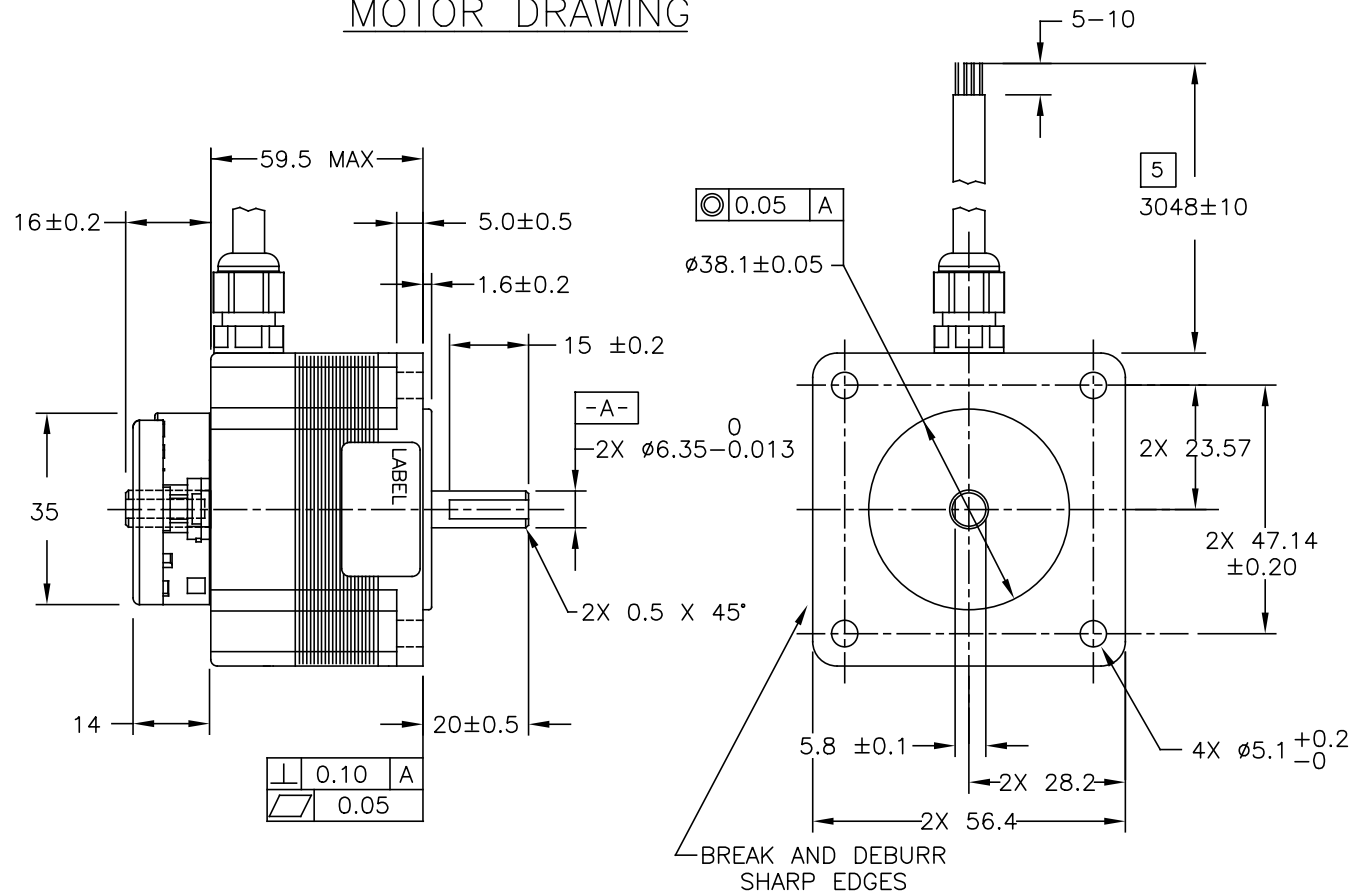
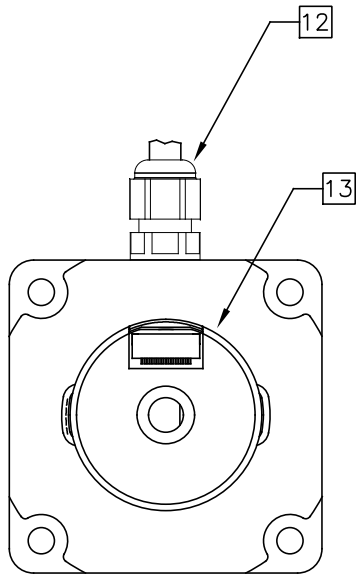
REVISIONS				
ECO NO.	REV	DESCRIPTION	DATE	APPROVED
6860	A	INITIAL RELEASE	10/16/13	J KORDIK
8034	B	CHG REAR SHAFT LENGTH/TYPO	8/28/18	M.Maroney

LABEL DETAIL



CONTRACT NO.		 APPLIED MOTION PRODUCTS, INC.			
—					
APPROVALS	DATE	STEP MOTOR OUTLINE			
DRAWN R.JONEZ	10/11/13				
CHECKED					
APPROVED					
APPROVED		B	COMPUTER DATA BASE DRAWING	DWG NO. HT23-598DC-ZAA	REV B
APPROVED		SCALE: NONE		SHEET 1 OF 2	

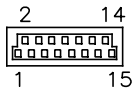
# MOTOR DRAWING


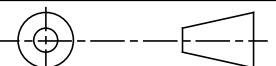


ENCODER RESOLUTION: 2000 cpr  
WITH MARKER PULSE.

## ENCODER PINOUTS

PIN	SIGNAL
1	CH A
2	CH A-
3	CH B
4	CH B-
5	INDEX
6	INDEX-
7	N/C
8	N/C
9	N/C
10	N/C
11	N/C
12	N/C
13	+Vcc
14	GND
15	N/C



TOLERANCES		THIRD ANGLE PROJECTION		 APPLIED MOTION PRODUCTS, INC.			
DECIMALS: MM (INCH) X.XXX= ± (.005) X.XX = ±0.13 (.010) X.X = ±0.25 (.020) ANGLES: MACH. = ±.5° CHAM. = ±5°				STEP MOTOR OUTLINE			
COMPUTER DATA BASE DRAWING		APPROVALS	DATE				
		DRAWN <i>R. JONEZ</i>	10/11/13	B	DWG NO. HT23-598DC-ZAA	REV B	
		CHECKED			SCALE: NONE		SHEET 2 OF 2
		APPROVED					