

SPECIFICATIONS:	
STEPS PER REVOLUTION: 200	ROTOR INERTIA: 82.0 G-CM ² (0.44 OZ-IN ²) REF
STEP ANGLE: 1.8°	DETENT TORQUE: 244.7 G-CM (3.39 OZ-IN) MIN
STEP TO STEP ACCURACY: ±5 % [1], [2]	INSULATION CLASS: B
POSITIONAL ACCURACY: ±5 % [1], [3]	BEARINGS: ABEC 3, DOUBLE SHIELDED
HYSTERESIS: - %	WEIGHT: 360 G (12.6 OZ) APPROXIMATE
SHAFT RUNOUT: 0.03 T.I.R.	TEMP. RISE: 80 °C MAX. [8]
RADIAL PLAY: 0.02 MAX W/A .5KG RADIAL LOAD	OPERATING TEMP. RANGE: -20 TO +50 °C
END PLAY: 0.08 MAX W/A .5KG AXIAL LOAD	STORAGE TEMP. RANGE: -30 TO +70 °C
	RELATIVE HUMIDITY RANGE: 15 TO 85 %

HT17-275D-BAA

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

[7]						
SPECIFICATION	NUMBER OF PHASE	RESISTANCE PER PHASE OHM ±10%	INDUCTANCE PER PHASE mH ±20%	RATED CURRENT Amp	RATED VOLTAGE V	HOLDING TORQUE N.m Min
BI-POLAR SERIES	2	6.6	12.8	0.85	5.6	0.55
BI-POLAR PARALLEL	2	1.7	3.2	1.70	2.9	0.55
UNI-POLAR	4	3.3	3.2	1.20	4.0	0.39

NOTES, UNLESS OTHERWISE SPECIFIED:

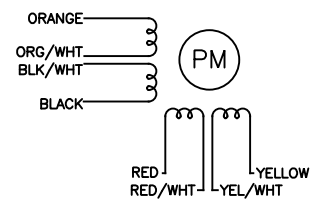
- [1] MEASUREMENTS MADE AT RATED CURRENT IN EACH PHASE.
- [2] BETWEEN ANY TWO ADJACENT STEP POSITIONS.
- [3] MAXIMUM ERROR IN 360°.
- 4. HIPOT 500 VAC, 60 Hz FOR ONE MINUTE.
- [5] LEADS: 8, 26 AWG, 7 STRAND MIN., UL AND CSA APPROVED, UL 1430 OR UL 3265.
- 6. INSULATION RESISTANCE: 100 MEGAOHMS MIN AT 500 VDC.
- [7] AS MEASURED USING AN A.C. INDUCTANCE BRIDGE, AT 1KHz.
- [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.

DRIVE SEQUENCE MODEL
BI-POLAR FULL STEP

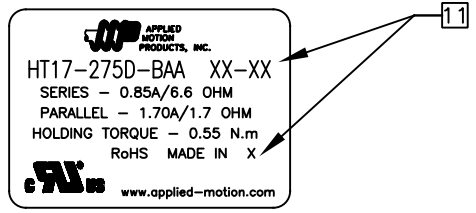
STEP	ORANGE & BLK/WHT	BLACK & ORG/WHT	RED & YEL/WHT	YELLOW & RED/WHT
1	+	-	+	-
2	-	+	+	-
3	-	+	-	+
4	+	-	-	+

CW (CLOCKWISE) AND CCW (COUNTER-CLOCKWISE) ROTATION WHEN SEEN FROM THE FLANGE SIDE OF THE MOTOR

WIRING DIAGRAM

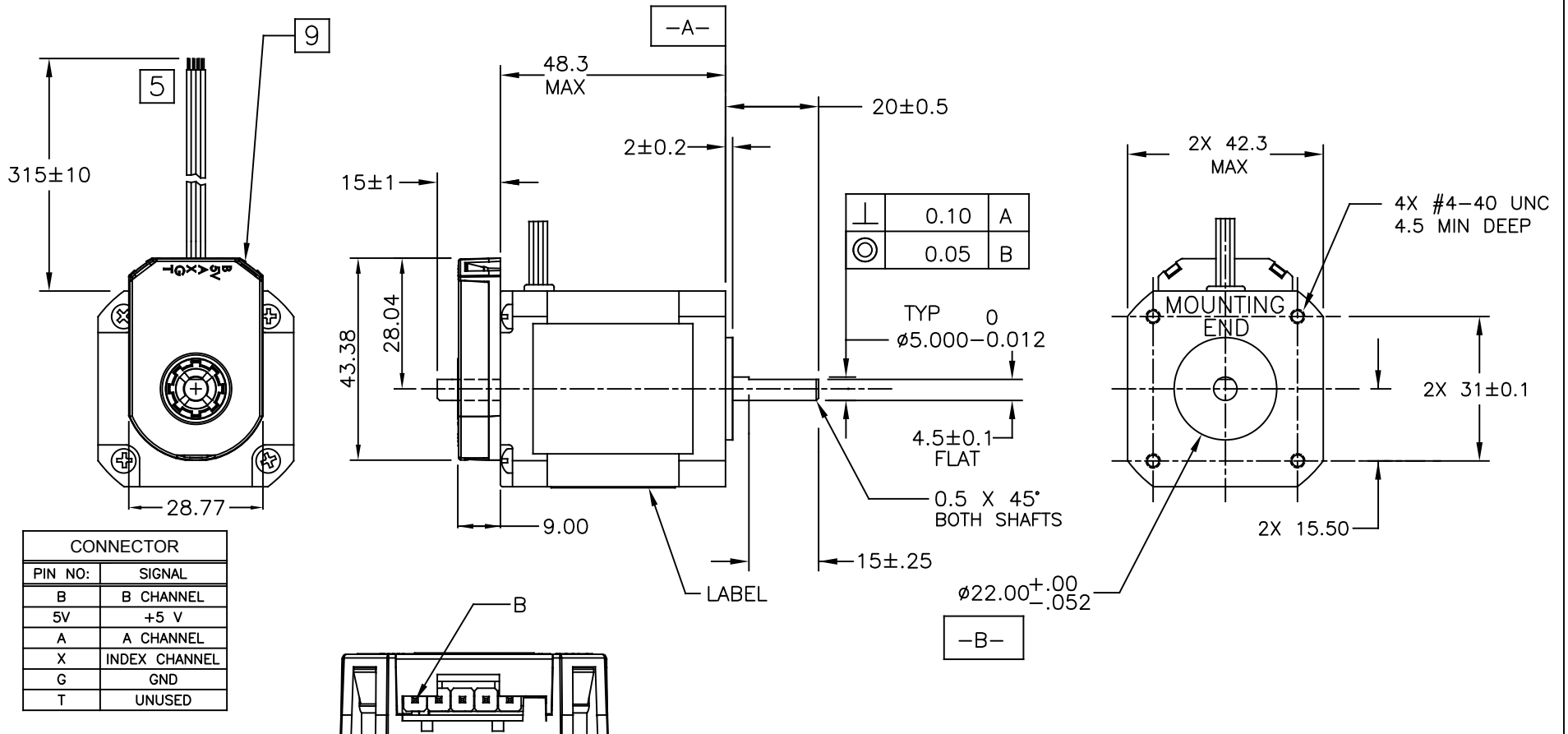


LABEL DETAIL

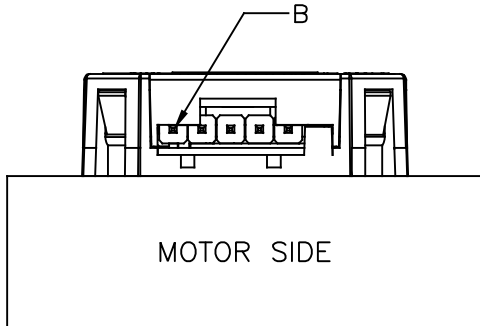


CONTRACT NO.		APPLIED MOTION PRODUCTS, INC.			
APPROVALS	DATE	STEP MOTOR OUTLINE			
DRAWN N.DEY	10/23/17				
CHECKED K.KESLER	12/20/17				
APPROVED J.KORDIK	12/20/17				
APPROVED	SCALE: NONE	B	COMPUTER DATA BASE DRAWING	DWG NO. HT17-275D-BAA	REV A
SHEET 1 OF 2					

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	APPLIED MOTION PRODUCTS, INC.		
DECIMALS: MM X.XXX = ±0.013 X.XX = ±0.25 X.X = ±2.5 ANGLES: MACH. = ±.5° CHAM. = ±5°		STEP MOTOR OUTLINE		
COMPUTER DATA BASE DRAWING	APPROVALS DRAWN <i>N.DEY</i> CHECKED <i>K.KELSER</i> APPROVED <i>J.KORDIK</i>			DATE 10/23/17 12/20/17 12/20/17
		B	DWG NO. HT17-275D-BAA	SCALE: 3:4 SHEET 2 OF 2