- 1						
	CONNECTION	RESISTANCE PER PHASE (ohm ±10%)	INDUCTANCE PER PHASE (mH ±20%)	RATED CURRENT (Amp)	HOLDING TORQUE (Nm MIN)	HOLDING TORQUE 1 (oz-in)
	BI-POLAR SERIES	2.0	6.8	2.12	1.90	269
	BI-POLAR PARALLEL	0.5	1.75	4.24	1.90	269
	UNI-POLAR	1.0	1.75	3.00	1.35	191

NOTES, UNLESS OTHER WISE SPECIFIED:

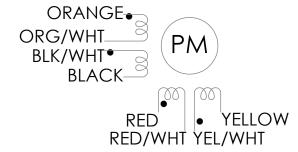
- 1 MEASUREMENTS MADE AT RATED CURRENT IN EACH PHASE.
- 2 BETWEEN ANY TWO ADJACENT FULL STEP POSITIONS.
- 3 MAXIMUM ERROR IN 360°.
- 4. HIPOT 500 VAC, 60Hz FOR ONE MINUTE.
- 5 LEADS: 8, 22 AWG, 7 STRAND MIN. UL AND CSA APPROVED. UL 1430 OR UL 3265
- 6. INSULATION RESISTANCE: 100 MEGOHMS MIN AT 500 VDC.
- 7 AS MEASURED ACROSS EACH PHASE.
- 8 AS MEASURED ACROSS EACH PHASE USING AN A.C. INDUCTANCE BRIDGE AT 1KHz.
- 9 AS MEASURED BY THE CHANGE IN RESISTANCE METHOD, WITH RATED CURRENT APPLIED TO 2 PHASES: WITH MOTOR AT REST.
- 10 ADD "D" TO END OF PART NUMBER IF DOUBLE SHAFT IS REQUIRED.

DOUBLE SHAFT REQUIRES ADDED HOLES FOR ENCODER OPTION.

- 11. ROTOR AND STATOR LAMINATED CONSTRUCTION.
- 12. THIS MOTOR IS MANUFACTURED IN COMPLIANCE WITH CURRENT EU ROHS DIRECTIVE.
- MOTOR LABEL TO INCLUDE AMP LOGO, AMP WEBSITE ADDRESS, "RoHS" COMPLIANCE LOGO, AMP P/N, "MADE IN (COUNTRY)", AND DATE CODE.

REVISIONS								
ECO#	REV.	DESCRIPTION	DATE	APPROVED				
5978 A INITIAL RELEASE		INITIAL RELEASE	8/11/09					
5980	980 B REVISED HOLE DIMENSION		8/18/09	JEFF. K				
5976	5976 C REVISED HOLE SIZE		8/27/09	JEFF. K				
6082	082 D AD #4 HOLES		3/3/10	JEFF. K				
6345	Е	DRAWING CLEANUP	9/20/11	ERIC. R				
6394	F REVISED NOTE 5		11/7/11	ERIC. R				
6807	G	FRVISED FLANGE THICKNESS	9/9/13	JEFF. K				
7247	Н	ADD UL TO LABEL	1/26/16	JEFF. K				
7445	J	REVISED NOTE 10	6/6/16	JEFF. K				
8250	K	REVISED SPECS	6/5/19	JEFF. K				
8306	06 L REVISED FLANGE THICKNESS		8/14/19	JEFF. K				
8705	8705 M SHAFT TOLERANCE FROM +0/012 TO +0/-013, REDRAWN IN SOLIDWORKS, BY ALAN. N		8/23/2021 ALAN. N	LEO. L				

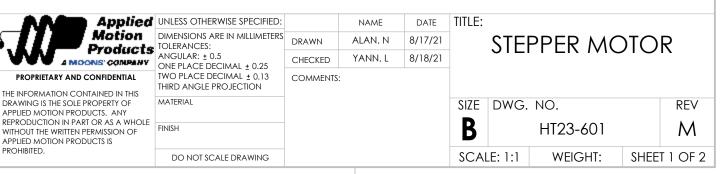
WIRING DIAGRAM



DRIVE SEQUENCE MODEL BI-POLAR PARALLEL FULL STEP

	STEP	(A+) ORG & BKL/WHT	(A-) BLK & ORG/WHT	(B+) RED & YEL/WHT	(B-) YEL & RED/WHT	CCW
	1	+	-	+	-	A
	2	-	+	+	-	
	3	-	+	-	+	
V	4	+	-	-	+	
CW	1	+	-	+	-	

CW (CLOCKWISE) AND CCW (COUNTER-CLOCKWISE) ROTATION WHEN SEEN FROM THE MOUNTING FACE END OF THE MOTOR



4

3

2

1

