	CONNECTION	NUMBER OF PHASES	RESISTANCE PER PHASE (ohm ±10%)	INDUCTANCE PER PHASE (mH ±20%)	RATED CURRENT (Amp)	HOLDING TORQUE 1 (Nm)Min.	HOLDING TORQUE 1 (ozf-in.)Min.	
	BI-POLAR SERIES	2	14.4	51.2	0.71	1.05	148	
	BI-POLAR PARALLEL	2	3.6	14.3	1.41	1.05	148	
-	UNIPOLAR	4	7.2	14.3	1.0	0.83	117	

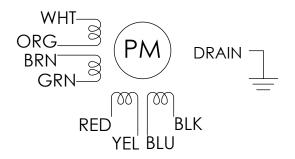
## **NOTES, UNLESS OTHER WISE SPECIFIED:**

- 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, 24 AWG, 7 STRAND MIN. UL AND CSA APPROVED. UL 1430 OR UL 3265. CABLE, 8 COND. W/DRAIN. CABLE 666-2107
- 6. INSULATION RESISTANCE: 100 MEGOHMS MIN AT 500 VDC.
- 7 MEASUREMENTS MADE WITHOUT CABLE.
- 8 AS MEASURED ACROSS ANY WINDING USING AN A.C. INDUCTANCE BRIDGE AT 1KHz. MEASUREMENTS MADE WITHOUT CABLE.
- 9 AS MEASURED BY THE CHANGE IN RESISTANCE METHOD, WITH RATED CURRENT APPLIED TO 2 PHASES WITH MOTOR AT REST.
- DRAIN WIRE TO BE CONNECTED TO INSIDE OF REAR END BELL. LOCATION MAY VARY
- 11. 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.
- ADD "D" TO END OF PART NUMBER IF DOUBLE SHAFT IS REQUIRED.

  DOUBLE SHAFT REQUIRES ADDED HOLES FOR ENCODER OPTIONS.

	REVISIONS						
ECO # REV.		DESCRIPTION	DATE	APPROVED			
5349	Α	INITIAL RELEASE	,,				
5462	В	REVISE NOTE 12, ADD LABEL					
5891	С	REMOVE D FROM PN, DASH SHFT OPTN	03/09/09	J.KORDIK			
6165	D	REMOVE CONN, BOOT	09/10/10	J.KORDIK			
6197	Е	REVISE CABLE P/N	10/27/10	J.AMOS			
6203	F	REVISE SPECS	12/21/10	J.KORDIK			
7445	G	REVISE NOTE 13	06/06/16	J.KORDIK			
8221	Н	ADD ENCODER MOUNTING HOLES	05/03/19	J.KORDIK			
8854	J	REDRAWN IN SOLIDWORKS, REVISE SPECS	10/18/22	L.LIU			
8857	К	CORRECTED HOLDING TORQUE AND UL SPEC	10/24/22	K.KESLER			

## **WIRING DIAGRAM**



В

## DRIVE SEQUENCE MODEL BI-POLAR SERIES FULL STEP

1	STEP	(A+) WHT	(A-) GRN	(B+) RED	(B-) BLK	CCW
	1	+	-	+	-	<b>A</b>
	2	-	+	+	-	
	3	ı	+	ı	+	
V	4	+	-	ı	+	
CW	1	+	-	+	- 1	

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

Applied	THIRD ANGLE PROJECTION		NAME	DATE	TITLE:			
Motion Products	TOLERANCES: - ANGULAR: ± 0.5 - ONE DECIMAL PLACES: ± 0.13  MATERIAL	DRAWN	C.BREUNINGER	10/24/22		STEPPER MOTOR		
A MOONS' COMPANY		PRE.CHECK						
PROPRIETARY AND CONFIDENTIAL		PRE.APPROVAL						
THE INFORMATION CONTAINED IN THIS  DRAWING IS THE SOLE PROPERTY OF		FIN.CHECK	K.KESLER	10/24/22				
APPLIED MOTION PRODUCTS. ANY REPRODUCTION IN PART OR AS A WHOLE		SAP: 4611110060774			SIZE			REV
WITHOUT THE WRITTEN PERMISSION OF APPLIED MOTION PRODUCTS IS	FINISH	ALT DWG. NO.: HT23-553D			B	HT23-553		K
PROHIBITED.	DO NOT SCALE DRAWING	ALT SAP: 4611110060778		SCALE: 1:1 SHEET 1		SHEET 1 C	)F 2	

4

3

2

\_

