

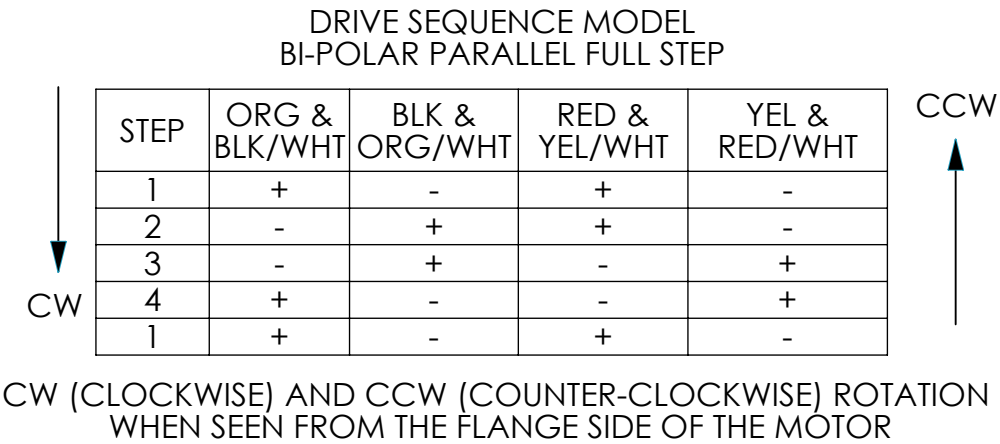
SPECIFICATION	
NUMBER OF PHASES: 4	ROTOR INERTIA: 123 g-cm <sup>2</sup> (0.67 oz-in <sup>2</sup> ) NOM
STEPS PER REVOLUTION: 200	DETENT TORQUE: 25 mNm (3.54 oz-in) MIN
STEP ANGLE: 1.8°	INSULATION CLASS: B
STEP TO STEP ACCURACY: 0.09°	BEARINGS: ABEC 3, DOUBLE SHIELDED
POSITION ACCURACY: 0.09°	TEMP. RISE: 80°C MAX.
HYSTERESIS: N/A%	OPERATING TEMP. RANGE: -20 TO +50°C
SHAFT RUNOUT: 0.03 mm T.I.R. MAX	STORAGE TEMP. RANGE: -30 TO +70°C
RADIAL PLAY: 0.02 mm MAX (0.5 kg RADIAL LOAD)	RELATIVE HUMIDITY RANGE: 15 TO 85%
END PLAY: 0.08 mm MAX (0.5 kg AXIAL LOAD)	WEIGHT: 600 g (21.1 oz ) APPROXIMATE

CONNECTION	RESISTANCE PER PHASE (ohm $\pm 10\%$ ) <span>7</span>	INDUCTANCE PER PHASE (mH $\pm 20\%$ ) <span>8</span>	RATED CURRENT (Amp)	HOLDING TORQUE (Nm MIN) <span>1</span>	HOLDING TORQUE (oz-in) <span>1</span>
BI-POLAR SERIES	6.4	12	1.0	0.8	113.29
BI-POLAR PARALLEL	1.6	3.0	2.0	0.8	113.29
UNI-POLAR	3.2	3.0	1.4	0.56	79.3

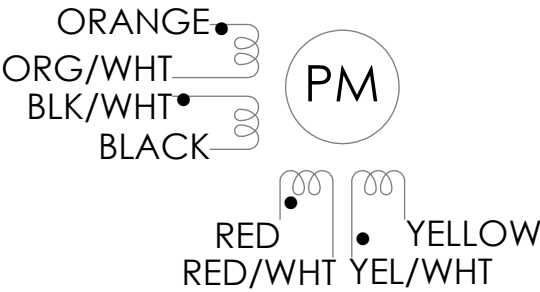
NOTES, UNLESS OTHERWISE SPECIFIED:


- 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, 26 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 ENCODER INSTALLED PER AMP ASSEMBLY PRACTICES. ENCODER CABLE SOLD SEPARATELY.
11. ROTOR AND STATOR LAMINATED CONSTRUCTION.
12. THIS MOTOR IS MANUFACTURED IN COMPLIANCE WITH CURRENT EU RoHS DIRECTIVE.
- 13 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
7747	A	INITIAL RELEASE	12/20/17	JEFF. K
8675	B	RE-DRAW IN SOLIDWORKS, MATCH 3D MODEL	6/15/21	LEO. L



## WIRING DIAGRAM



<div><p><b>Applied Motion Products</b> A MOONS' COMPANY</p></div> <p><b>PROPRIETARY AND CONFIDENTIAL</b></p> <p>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APPLIED MOTION PRODUCTS. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF APPLIED MOTION PRODUCTS IS PROHIBITED.</p>	UNLESS OTHERWISE SPECIFIED:		NAME		DATE		TITLE:  <b>STEPPER MOTOR OUTLINE</b>	
	DIMENSIONS ARE IN MILLIMETERS		DRAWN	ALAN. N	6/15/21			
	TOLERANCES:		CHECKED	YANN. L	6/15/21			
	ANGULAR: ± 0.5		COMMENTS:					
	ONE PLACE DECIMAL ± 0.25							
TWO PLACE DECIMAL ± 0.13								
THIRD ANGLE PROJECTION								
MATERIAL								
FINISH								
DO NOT SCALE DRAWING								

