4			0		
	SPECIFICATION				
	NUMBER OF PHASES: 4		ROTOR INERTIA: 82 g-cm <sup>2</sup> (0.44 oz-in <sup>2</sup> ) NOM		
	STEPS PER REVOLUTION: 200 STEP ANGLE: 1.8°		DETENT TORQUE: 244.7 g-cm (3.39 oz-in) MIN		
			INSULATION CLASS: B		
	STEP TO STEP ACCURACY: 0.09° 1,	2	BEARINGS: ABEC 3, DOUBLE SHIELDED		
	POSITION ACCURACY: 0.09° 1,	3	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			
B	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: 360 g (12.6 oz ) APPROXIMATE		

CONNECTION	RESISTANCE PER PHASE 7 (ohm ±10%)	INDUCTANCE PER PHASE 8 (mH ±20%)	RATED CURRENT (Amp)	HOLDING TORQUE (Nm MIN)	HOLDING TORQUE 1 (oz-in)
<b>BI-POLAR SERIES</b>	6.6	12.8	0.85	0.55	77.89
<b>BI-POLAR PARALLEL</b>	1.7	3.2	1.70	0.55	77.89
UNI-POLAR	3.3	3.2	1.20	0.39	55.23

NOTES, UNLESS OTHER WISE SPECIFIED:

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- 1 MEASUREMENTS MADE AT RATED CURRENT IN EACH PHASE.
- 2 BETWEEN ANY TWO ADJACENT FULL STEP POSITIONS.
- 3 MAXIMUM ERROR IN 360°.

4

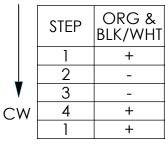
Α

- HIPOT 500 VAC, 60Hz FOR ONE MINUTE. 4.
- 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.

3

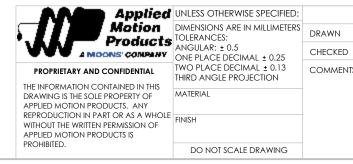
ECO # REV. DESC 8675 А INITIA

2



CW (CLOCKWISE) AND C WHEN SEEN FROM THE

> ( ORC ΒL



2

	1	
REVISIONS		
SCRIPTION	DATE	APPROVED
AL RELEASE	6/15/21	LEO. L

B

Α

### DRIVE SEQUENCE MODEL **BI-POLAR PARALLEL FULL STEP**

BLK & ORG/WHT	RED & YEL/WHT	YEL & RED/WHT	CCW
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+	+	-	
+	-	+	
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-	+	-	I

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	UNTER-CLC	ockwise) rot	TATIC

(COUNTER-CLOCKWISE)	ROT
FLANGE SIDE OF THE MC	TOR

# WIRING DIAGRAM

ORANGE G/WHT K/WHT BLACK	
RED (WHT YEL/WHT	

	NAME	DATE	TITLE:				
	ALAN. N	6/15/20					
	YANN. L	6/15/20		STEF	Per Mo	TOT	2
TS:				• • - •	OUTLINE		
			SIZE	DWG.	NO.		REV
			В	ŀ	HT17-275D-W	'AA	А
			SCAL	E: 1:1	WEIGHT:	SHEE	T 1 OF 2

