•				
MOTOR SPECIFICATIONS:				
NUMBER OF PHASES:	2	ROTOR INERTIA (g-cm ² /oz-in ²):	18/0.1 NOM	
STEPS PER REVOLUTION:	200	INSULATION CLASS:	B (130°C)	

BEARINGS:

	RESISTANCE PER PHASE 5	INDUCTANCE PER PHASE 6	RATED CURRENT	HOLDING TORQUE	
	ohm ±10%	mH ±20%	AMP	mNm MIN	oz-in MIN
BI-POLAR	2	2.4	1.0	100	14.16

3

NOM

ABEC 3, DOUBLE SHIELDED

В

Α

GEARMOTOR SPECIFICATIONS:						
TEMP. RISE (°C): 7	80 MAX	TOTAL WEIGHT (±10g/±0.35oz):	250/8.81			
OPERATING AMB. TEMP. RANGE (°C):	-10 to +50	RELATIVE HUMIDITY RANGE (%):	85 NON-CONDENSING			
STORAGE TEMP. RANGE (°C):	0 to +40					

GEARHEAD SPECIFICATIONS:					
RATIO:	4:1	EFFICIENCY (%):	90		
MAX TORQUE CONTINUOUS (Nm/oz-in):	0.5/70.8	BACKLASH (°):	≤1.2		
MAX TORQUE (Nm/oz-in):	0.8/113.3	MAX RADIAL LOAD (N/lbf):	≤20/4.49		
MAX INPUT SPEED (RPM):	6000	MAX AXIAL LOAD (N/lbf):	≤20/4.49		

NOTES, UNLESS OTHER WISE SPECIFIED:

4

STEP ANGLE (°):

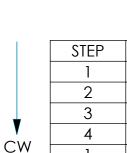
1 MEASUREMENTS MADE AT RATED CURRENT IN EACH PHASE.

1.8

- 2. HIPOT 500 VAC, 60Hz FOR ONE MINUTE.
- 3 LEADS: 4, 26 AWG, 7 STRAND MIN. UL AND CSA APPROVED. UL 1007.
- INSULATION RESISTANCE: 100 MEGOHMS MIN AT 500 VDC. 4.
- 5 AS MEASURED ACROSS EACH PHASE.

4

- 6 AS MEASURED ACROSS EACH PHASE USING AN A.C. INDUCTANCE BRIDGE AT 1KHz.
- 7 AS MEASURED BY THE CHANGE IN RESISTANCE METHOD, WITH RATED CURRENT APPLIED TO 2 PHASES; WITH MOTOR AT REST.
- 8. THIS MOTOR IS MANUFACTURED IN COMPLIANCE WITH CURRENT EU ROHS DIRECTIVE.
- 9 MOTOR LABEL TO INCLUDE AMP LOGO, AMP WEBSITE ADDRESS, "RoHS" COMPLIANCE LOGO, AMP P/N, 'MADE IN (COUNTRY)', AND DATE CODE.
- 10 ADD "D" TO PART NUMBER IF DOUBLE SHAFT IS REQUIRED.
 - DOUBLE SHAFT REQUIRES ADDED HOLES FOR ENCODER OPTION.



THIRD ANGLE PROJECTION Applied Motion JNLESS OTHERWISE SPECIFIED: DRAWN MENSIONS ARE IN MILLIMETERS Products DLERANCES: PRE.CHECK A MOONS' COMPANY ANGULAR + 0.5 ONE DECIMAL PLACE: ± 0.25 PRE.APPROVAL PROPRIETARY AND CONFIDENTIAL TWO DECIMAL PLACES: ± 0.13 THE INFORMATION CONTAINED IN THIS IN.CHECK CP DRAWING IS THE SOLE PROPERTY OF ATERIA APPLIED MOTION PRODUCTS. ANY SAP: 461111006016 REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF APPLIED MOTION PRODUCTS IS INISH ALT DWG. NO.: PROHIBITED ALT SAP: DO NOT SCALE DRAWING

2

ECO # REV. DESCR 7935 А INITIAL 8429 В TYPO CO 8758 С **REDRAWN IN**

2

RED (A+)

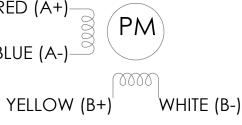
BLUE (A-)-

3

	1	+		-		+		-		1
CW (CLOCKWISE) AND CCW (COUNTER-CLOCKWISE) ROTATION WHEN SEEN FROM THE MOUNTING FACE END OF THE MOTOR										
OJECTION		NAME	DA	TE	TITLE:					
SPECIFIED:	DRAWN	Y. LAPNET	4/18	3/22	٢.	TEPPER	٨٨	OTO	RV	V/
	PRE.CHECK				STEPPER MOTOR W/					
ACE: ± 0.25	PRE.APPROVAL				GEARHEAD					
ACES: <u>+</u> 0.13	FIN.CHECK	C. BREUNINGER	4/18	3/22						
	SAP: 46111100)60168			SIZE	DWG. NO.				REV
	ALT DWG. NO.:				В	HT11-()21-	G004		С
DRAWING	ALT SAP:			S	CALE: 2:1		SHEE	t 1 Óf	2	
]				

A+	A-	B+	В-	CC
+	-	+	-	
-	+	+	-	
-	+	-	+	
+	-	-	+	
+	-	+	-	

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



WIRING DIAGRAM

REVISIONS		
RIPTION	DATE	APPROVED
RELEASE	7/2/18	J. KORDIK
ORRECTION	3/3/20	J. KORDIK
n solidworks	4/18/22	L. LIU

В

CW

