

A

B

4

3

MOTOR SPECIFICATIONS:					
NUMBER OF PHASES:	2	ROTOR INERTIA (g-cm ² /oz-in ²):	9/0.05 NOM		
STEPS PER REVOLUTION:	200	INSULATION CLASS:	B (130°C)		
STEP ANGLE (°):	1.8	BEARINGS:	ABEC 3, DOUBLE SHIELDED		
CONNECTION	RESISTANCE PER PHASE <div>5</div>	INDUCTANCE PER PHASE <div>6</div>	RATED CURRENT	HOLDING TORQUE <div>1</div>	
	ohm ±10%	mH ±20%	AMP	mNm MIN	oz-in MIN
BI-POLAR	1.4	1.3	1.0	50	7.08
GEARMOTOR SPECIFICATIONS:					
TEMP. RISE (°C): <div>7</div>	80 MAX	TOTAL WEIGHT (±10g/±0.35oz):	150/5.29		
OPERATING AMB. TEMP. RANGE (°C):	-10 to +50	RELATIVE HUMIDITY RANGE (%):	85 NON-CONDENSING		
STORAGE TEMP. RANGE (°C):	0 to +40				
GEARHEAD SPECIFICATIONS:					
RATIO:	5.5:1	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:

- 1

MEASUREMENTS MADE AT RATED CURRENT IN EACH PHASE.
- 2

HIPOT 500 VAC, 60Hz FOR ONE MINUTE.
- 3

LEADS: 4, 26 AWG, 7 STRAND MIN. UL AND CSA APPROVED. UL 1007.
- 4

INSULATION RESISTANCE: 100 MEGOHMS MIN AT 500 VDC.
- 5

AS MEASURED ACROSS EACH PHASE.
- 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

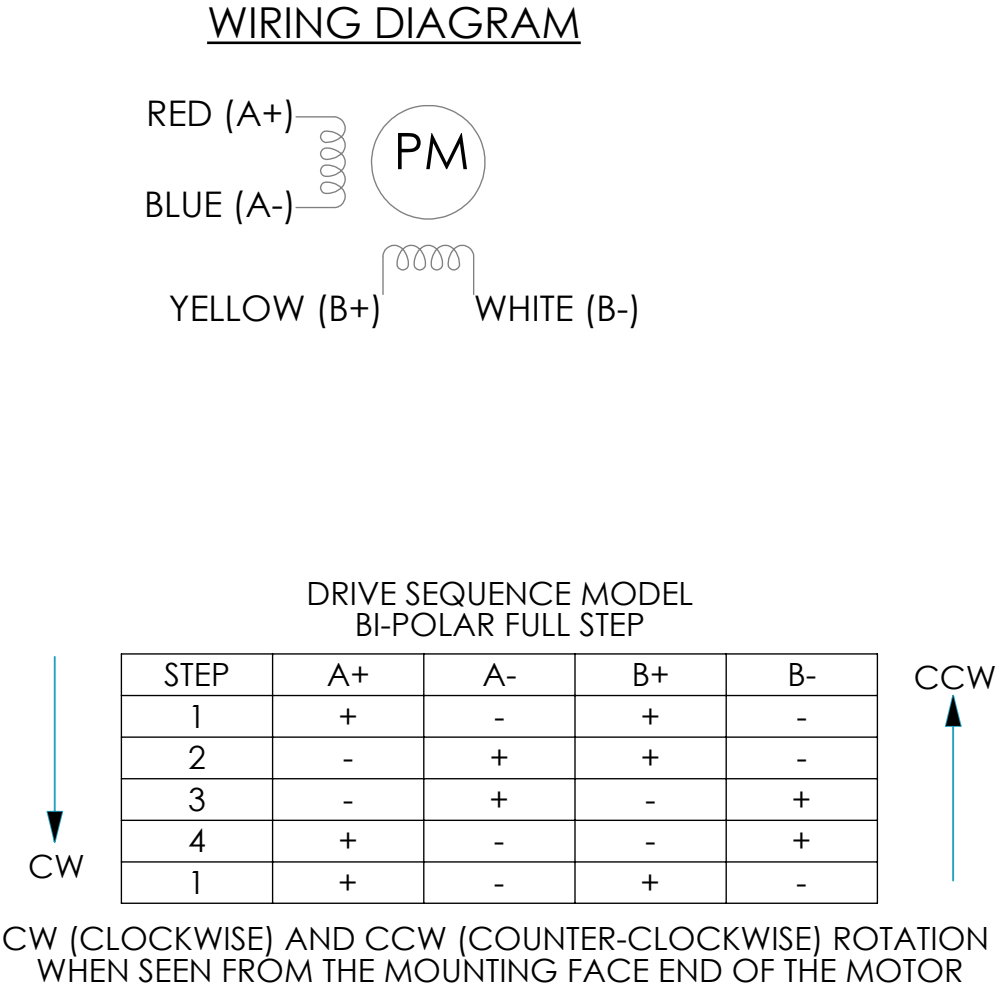
THIS MOTOR IS MANUFACTURED IN COMPLIANCE WITH CURRENT EU RoHS DIRECTIVE.
- 9

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.

 <div>Applied Motion Products A MOONS' COMPANY</div> <div>PROPRIETARY AND CONFIDENTIAL</div> <div>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.</div>	THIRD ANGLE PROJECTION		NAME	DATE	TITLE: STEPPER MOTOR W/ GEARHEAD		
	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS TOLERANCES: - ANGULAR: ± 0.5 - ONE DECIMAL PLACE: ± 0.25 - TWO DECIMAL PLACES: ± 0.13	DRAWN	Y. LAPNET	4/18/22			
		PRE.CHECK					
		PRE.APPROVAL					
	MATERIAL	FIN.CHECK	C. BREUNINGER	4/18/22	SIZE B	DWG. NO. HT11-020-G005	REV C
	FINISH	SAP: 4611110060154					
DO NOT SCALE DRAWING		ALT DWG. NO.:		SCALE: 2:1			
		ALT SAP:		SHEET 1 OF 2			

2					1
REVISIONS					
ECO #	REV.	DESCRIPTION	DATE	APPROVED	
7935	A	INITIAL RELEASE	7/2/18	J. KORDIK	
8429	B	TYPO CORRECTION	3/3/20	J. KORDIK	
8758	C	REDRAWN IN SOLIDWORKS	4/18/22	L. LIU	



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