SPECIFICATIONS:			
STEPS PER REVOLUTION: 200	ROTOR INERTIA: 460 G-CM ² (2.510Z-IN ²) NOM		
STEP ANGLE: 1.8°	DETENT TORQUE: 714 G-CM (9.91 OZ-IN) MIN		
STEP TO STEP ACCURACY: ±5 % 1,2	INSULATION CLASS: B		
POSITIONAL ACCURACY: ±5 % 1,3	BEARINGS: ABEC 3, DOUBLE SHIELDED		
HYSTERESIS: - %	WEIGHT: 1.0 KG (2.2 LB)		
SHAFT RUNOUT: 0.05 T.I.R.	TEMP. RISE: 80 °C MAX.		
RADIAL PLAY: 0.02 MAX W/A .5KG RADIAL LOAD	OPERATING TEMP. RANGE: -20 TO +50 °C		
END PLAY: 0.08 MAX W/A .5KG AXIAL LOAD	STORAGE TEMP. RANGE: -30 TO +70 °C		
	RELATIVE HUMIDITY RANGE: 15 TO 85 %		

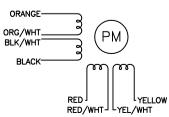
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SPECIFICATION	NUMBER	RESISTANCE	INDUCTANCE	RATED	RATED	HOLDING	1
	OF	PER PHASE	PER PHASE	CURRENT	VOLTAGE	TORQUE	
CONNECTION	PHASE	OHM ±10%	mH ±20%	Amp	V	Nm Min	
BI-POLAR SERIES	2	16.0	61.6	0.71	11.4	1.74	
BI-POLAR PARALLEL	2	4.0	15.4	1.41	5.6	1.74]
UNI-POLAR	4	8.0	15.4	1.00	8.0	1.23]

NOTES. UNLESS OTHERWISE SPECIFIED:

- 1 MEASUREMENTS MADE AT RATED CURRENT IN EACH PHASE.
- BETWEEN ANY TWO ADJACENT STEP POSITIONS.
- 3 MAXIMUM ERROR IN 360°.
- 4. HIPOT 500 VAC, 60 Hz FOR ONE MINUTE.
- 5. LEADS: 8, 22AWG, 7 STRAND MIN., UL AND CSA APPROVED, UL 1430 OR UL 3265.
- 6. INSULATION RESISTANCE: 100 MEGOHMS MIN AT 500 VDC.
- 7 AS MEASURED USING AN A.C. INDUCTANCE BRIDGE, AT 1KHz.
- 8 AS MEASURED BY THE CHANGE IN RESISTANCE METHOD, WITH RATED VOLTAGE APPLIED TO 2 PHASES; WITH MOTOR AT REST.
- 9 SHAFT OPTION: IF DOUBLE SHAFT REQUIRED ADD "D" TO END OF PART NUMBER. DOUBLE SHAFT REQUIRES ADDED HOLES FOR ENCODER OPTIONS.
- 10. THIS MOTOR IS MANUFACTURED IN COMPLIANCE WITH THE CURRENT EU ROHS DIRECTIVE.
- MOTOR LABEL TO INCLUDE "ROHS" COMPLIANT, 'MADE IN (COUNTRY OF ORIGIN)' AND DATE CODE.

WIRING DIAGRAM



DRIVE SEQUENCE MODEL BI-POLAR FULL STEP

	STEP	ORANGE & BLK/WHT	BLACK & ORG/WHT	RED & YEL/WHT	YELLOW & RED/WHT	ccw
	1	+	_	+	_	1
	2	_	+	+	_	
	3	_	+	_	+	
/	4	+	1	_	+	

CW(CLOCKWISE) AND CCW(COUNTER-CLOCKWISE) ROTATION
WHEN SEEN FROM THE FLANGE SIDE OF THE MOTOR

REVISIONS						
ECO NO.	REV	DESCRIPTION	DATE	APPROVED		
5976	Α	INITIAL RELEASE	8/28/09	J KORDIK		
6090	В	STANDARDIZE ENCODER HOLES	3/29/10	J KORDIK		
6807	С	REVISE FLANGE THICKNESS	9/9/13	J KORDIK		
7445	D	REVISE NOTE 10	6/6/16	J KORDIK		
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