SPECIFICATIONS:					
ROTOR INERTIA: 460 G-CM ² (6.51E-03 oz-in-sec ²)NOM					
DETENT TORQUE: 0.070 N-m (9.91 oz-in) MIN					
INSULATION CLASS: B					
WEIGHT: 1.0 KG (2.2 LB)					
OPERATING TEMP. RANGE: -20 TO +50 °C					
STORAGE TEMP. RANGE: -30 TO +70 °C					
RELATIVE HUMIDITY RANGE: 15 TO 99 %					

	3	7		1	1
SPECIFICATION CONNECTION	RESISTANCE PER PHASE OHM ±10%	INDUCTANCE PER PHASE mH ±20%	RATED CURRENT Amp	HOLDING TORQUE N-m Min	HOLDING TORQUE oz—in Min
BI-POLAR SERIES	2.2	6.8	2.12	1.90	269
BI-POLAR PARALLEL	0.7	1.7	4.24	1.90	269
UNI-POLAR	1.1	1.7	3.00	1.35	191

		REVISIONS						
ECO NO. REV			REV	DESCRIPTION	DATE	APPROVED		
		6449	Α	INITIAL RELEASE	3/7/12	J KORDIK		
		6564	В	WAS -ZAA, DRAWING CLEANUP	7/25/12	J KORDIK		
		6578	С	105°C CABLE/DRAWING CLEANUP	8/22/12	J KORDIK		

ZAC

HW23-601D

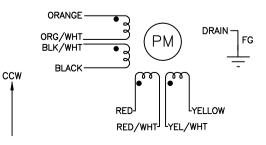
NOTES, UNLESS OTHERWISE SPECIFIED:

- 1 MEASUREMENTS MADE AT RATED CURRENT IN BOTH PHASES.
- 2 BETWEEN ANY TWO ADJACENT FULL STEP POSITIONS.
- 3 MEASUREMENTS MADE AT LEAD ENDS.
- 4. HIPOT 500 VAC, 60 Hz FOR ONE MINUTE.
- 5. LEADS: 8, 22 AWG, 7 STRAND MIN., UL AND CSA APPROVED, 105°C RATED CABLE 666-2126, 8 COND W/DRAIN.
- 6. INSULATION RESISTANCE: 100 MEGOHMS MIN AT 500 VDC.
- 7 MEASURED USING AN A.C. INDUCTANCE BRIDGE, AT 1KHz AT LEAD ENDS.
- 8 AS MEASURED BY THE CHANGE IN RESISTANCE METHOD, WITH RATED CURRENT APPLIED TO 2 PHASES; WITH MOTOR AT REST.
- 9 MOTOR TO MEET 1P65 STANDARDS. CABLE GLAND TO BE NICKEL-PLATED BRASS, ASI P/N 3012215 OR EQUIVALENT.
- 10. THIS MOTOR TO BE MANUFACTURED IN COMPLIANCE WITH EU DIRECTIVE "ROHS 2002/95/EC".
- MOTOR LABEL TO INCLUDE "ROHS" COMPLIANT, 'MADE IN (COUNTRY OF ORIGIN)' AND DATE CODE.
- 2 ENCODER CABLE 3004-195-10 TO BE INCLUDED WITH MOTOR. PLEASE REFER TO CABLE DRAWING, AVAILABLE ON WEBSITE, FOR FULL DETAILS. ENCODER VOLTAGE: +5V ±5%, ENCODER CURRENT: 160ma.
- 13. ASSEMBLE PER AMP SPEC 960-0082.

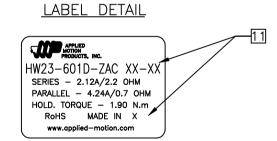
BIPOLAR, FULL STEP, 2 PHASE ON PARALLEL CONNECTED

SWITCHING SEQUENCE FOR CW ROTATION FACING MOUNTING END

	STEP	ORANGE & BLK/WHT	BLACK & ORN/WHT	RED & YEL/WHT	YELLOW & RED/WHT
	0	+	1	+	_
	1	-	+	+	-
	2	-	+	ı	+
	3	+	ı	1	+
۷	4	+	ı	+	1



14. HIGH TORQUE MOTOR DESIGN, MICROSTEP LAMINATION, INTENDED FOR USE WITH 80VDC DRIVES WHEN WINDINGS CONNECTED IN PARALLEL AND WITH 160VDC DRIVES WHEN WINDINGS CONNECTED IN SERIES.



CONTRACT NO.	APPLIED MOTION PRODUCTS, INC.						
APPROVALS	DATE						
DRAWN R.JONEZ	3/7/12	$\mid S \mid$	TEF	o MO	TOR	OUTLINE	,
CHECKED							
APPROVED		R	COMPUTER DATA BASE DRAWING		DWG NO.	-601D-ZAC	REV
		1			□п₩⋩Ъ	-001D-7VC	
APPROVED		SCALE:	NONE			SHEET 1 OF 2	

