SPECIFICATIONS:					
STEPS PER REVOLUTION: 200	ROTOR INERTIA: 480 G-CM ² (2.62 OZ-IN ²) NOM				
STEP ANGLE: 1.8°	HOLDING TORQUE: 13.5KG-CM (187 OZ-IN)MIN 1				
STEP TO STEP ACCURACY: ± 5 % 1,2	DETENT TORQUE: 800 G-CM (11.11 OZ-IN) MIN				
POSITIONAL ACCURACY: ± 5 % 1,3					
HYSTERESIS: %	INSULATION CLASS: B				
WINDING RESISTANCE: 2.25 OHM ±10% AT 25° 7	BEARINGS: ABEC 3 , DOUBLE SHIELDED				
WINDING INDUCTANCE: 3.6 mH ± 20%	WEIGHT: 1.0 KG (2.2 LB)				
PHASE VOLTAGE: 4.5 VDC	TEMP. RISE: 80 °C MAX.				
PHASE CURRENT: 2.0 AMP [(RATED) UNIPOLAR]	OPERATING TEMP. RANGE: -20 TO +50°C				
	STORAGE TEMP. RANGE: -40 TO 70°C				
SHAFT RUNOUT: 0.05 T.I.R.	RELATIVE HUMIDITY RANGE: 5 TO 95 %				
RADIAL PLAY: 0.025 MAX W/A .5KG RADIAL LOAD.					
END PLAY: 0.075 MAX W/A 1KG AXIAL LOAD.					

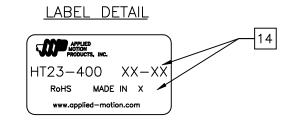
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HT23-

REVISIONS					
ECO NO.	REV	DESCRIPTION	DESCRIPTION DATE		
3987	Α	INITIAL RELEASE	8/16/96	X. Kordik	
5007	В	ADD"23HT76D"IF DBL SHFT			
5235	С	ADD EU COMPLIANCE NOTES	8/25/05	R. Hazelwood	
6006	D	ADD ENV DRAWING/ ENC HOLES	10/20/09	J KORDIK	
6082	Ε	ADD #4 HOLES	3/3/10		

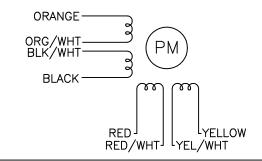
NOTES, UNLESS OTHERWISE SPECIFIED:

- 1 MEASURMENTS MADE AT RATED CURRENT IN EACH PHASE.
- 2 BETWEEN ANY TWO ADJACENT STEP POSITIONS.
- MAXIMUM ERROR IN 360°.
- 4. HIPOT 500 VAC, 60 Hz FOR ONE MINUTE.
- 5. LEADS: 8 ,AWG 22,7 STRAND MIN.,UL AND CSA APPROVED, UL 3265.
- 6. INSULATION RESISTANCE: 100 MEGOHMS MIN AT 500 VDC.
- 7 AS MEASURED ACROSS ANY WINDING. RESISTANCE IS DOUBLED WITH BOTH WINDINGS IN SERIES.
- B AS MEASURED ACROSS ANY WINDING USING AN A.C. INDUCTANCE BRIDGE, AT 1KHZ. INDUCTANCE IS FOUR TIMES VALUE WITH WINDINGS IN SERIES.
- 9 AS MEASURED BY THE CHANGE IN RESISTANCE METHOD, WITH RATED
- VOLTAGE APPLIED TO 2 PHASES; WITH MOTOR AT REST.
- 10. HIGH TORQUE MOTOR DESIGN, MICROSTEP LAMINATION.
- 11. ROTOR & STATOR LAMINATION MATERIAL: 0.5mm thk, SEE AMP STD SPEC #1500-062.
- SHAFT OPTION: IF DOUBLE SHAFT REQUIRED ADD "D" TO END OF PART NUMBER. DOUBLE SHAFT REQUIRES ADDED HOLES FOR ENCODER OPTIONS.
- 13. THIS MOTOR TO BE MANUFACTURED IN COMPLIANCE WITH EU DIRECTIVE "ROHS 2002/95/EC".
- [4] MOTOR LABEL TO INCLUDE "ROHS" COMPLIANT, 'MADE IN (COUNTRY OF ORIGIN)' AND DATE CODE.

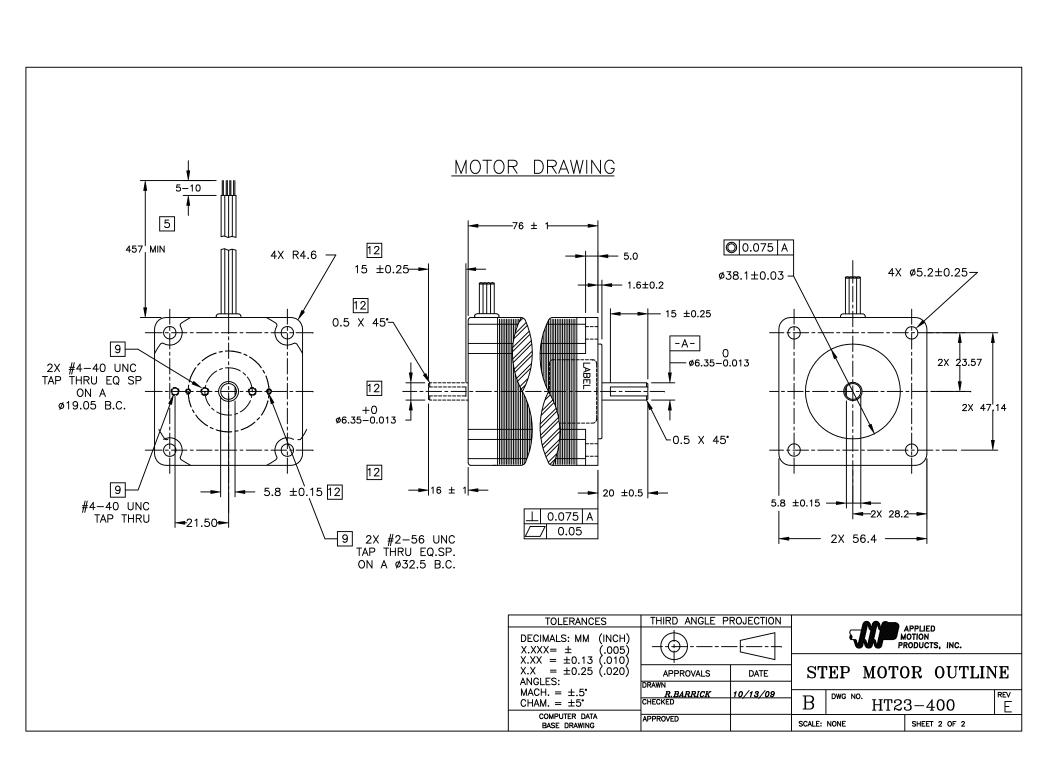


SWITCHING SEQUENCE FOR CW ROTATION FACING MOUNTING END

STEP	ORANGE	BLACK	RED	YELLOW
0	+	_	+	
1	_	+	+	_
2	-	+	1	+
3	+	_	ı	+
4	+	_	+	_



CONTRACT NO. CAT	APPLIED MOTION PRODUCTS, INC.						
APPROVALS	DATE						_
	8/15/96	STEP MOTOR OUTLINE]	
	8/16/96		COMPL	ITER DATA	DWG NO		REV
APPROVEN. Kordik	8/16/96	BASE DRAWIN			HT23-400		E
APPROVED		SCALE: 1=1			SHEET 1 OF 2		



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Applied Motion:

HT23-400 HT23-400D HT23-400D-ZAA