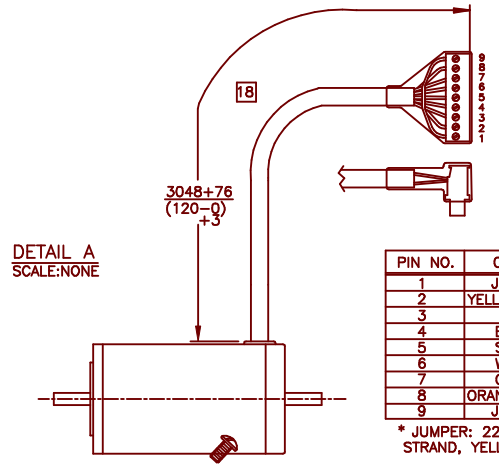
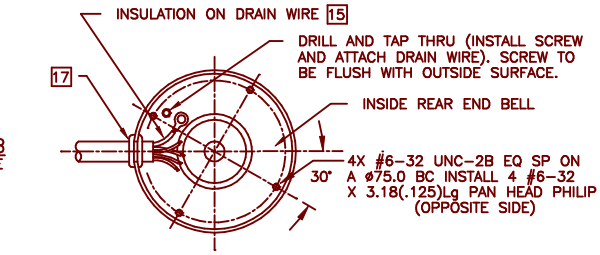
SPECIFICATIONS:	NOTES
STEPS PER REVOLUTION: 200	
STEP ANGLE: 1.8°	
STEP TO STEP ACCURACY: ±3%	1 2
POSITIONAL ACCURACY: ±.0833"	1 3
HYSTERESIS: .0334"	
WINDING RESISTANCE: .64 OHMS ±10% @ 25° (W/CABLE .9)	7
WINDING INDUCTANCE: 2.5 mH ± 20%	8
PHASE VOLTAGE: 1.26 VDC	7
PHASE CURRENT: 1.4 AMPS (OPERATING)	20
SHAFT RUNOUT: .025mm T.I.R.	
RADIAL PLAY: .025mm WITH .45 Kg RADIAL LOAD	
END PLAY: .025mm MAX WITH A 6.8 Kg AXIAL LOAD	
ROTOR INERTIA: 670 G-CM^2 REF	
HOLDING TORQUE: 8.0 KG-CM MIN (@ OPERATING CURRENT)	1
DETENT TORQUE: 140 G-CM MIN	
INSULATION CLASS: B	
BEARINGS: ABEC 3, DOUBLE SHIELDED	
TEMPERATURE RISE: 80°C MAX	9
OPERATING TEMPERATURE RANGE: -10 TO 40°C	
STORAGE TEMPERATURE RANGE: -40 TO 70°C	
RELATIVE HUMIDITY RANGE: 5 TO 95%	
MAX OVERHANG LOAD: 11.32 KG	
MAX THRUST LOAD: 22.64 KG	
MAX CASE TEMPERATURE: 100°C	
WEIGHT: 1.54 KG (3.4 LB)	



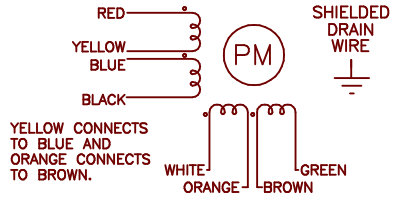
PIN NO.	COLOR
1	JUMPER*
2	YELLOW & BLUE
3	RED
4	BLACK
5	SHIELD
6	WHITE
7	GREEN
8	ORANGE&BROWN
9	JUMPER*

* JUMPER: 22 AWG, 19 STRAND, YELLOW WIRE



SWITCHING SEQUENCE FOR CW ROTATION FACING MOUNTING END

STEP	RED	BLACK	WHITE	GREEN
0	+	−	−	+
1	−	+	−	+
2	−	+	+	−
3	+	−	+	−
4	+	−	−	+



NOTES, UNLESS OTHERWISE SPECIFIED:

1. MEASUREMENTS MADE 2 PHASE ON SERIES CONNECTED.
2. BETWEEN ANY TWO ADJACENT STEP POSITIONS.
3. MAXIMUM ERROR IN 360°.
4. HIPOT 1150 VAC FOR ONE MINUTE.
5. SEE NOTE 18
6. INSULATION RESISTANCE: 100 MEGOHMS MINIMUM AT 500 VDC.
7. AS MEASURED ACROSS ANY WINDING.
8. AS MEASURED ACROSS ANY WINDING USING AN A.C. INDUCTANCE BRIDGE (1 KHz).
9. AS MEASURED BY THE CHANGE IN RESISTANCE METHOD, WITH RATED VOLTAGE APPLIED TO 2 PHASES WITH MOTOR AT REST.
10. SHAFT OPTION: REAR SHAFT REQUIRED.
11. MATERIAL: LAMINATION, 0.35tk, SEE AMP STANDARD SPEC # 1500-049.
12. MICROSTEP LAMINATION, (7.5° TOOTH CONSTRUCTION).
13. PAINT MOTOR BODY PER MOTOR MANUFACTURER SPECIFICATION. END BELLS DO NOT REQUIRE PAINTING.
14. STAMP FRONT END BELL MOUNTING SURFACE, WITH DATE (WEEK/YEAR), "AMP", "MADE IN JAPAN" AND AMP MOTOR NUMBER USING PERMANENT INK. LABEL NOT REQUIRED.
15. TERMINATE DRAIN WIRE IN A RING LUG, AND ATTACH TO UNPAINTED SURFACE OF MOTOR CASE IN A GAS TIGHT (COMPRESSION) SEAL. THE MEANS OF ATTACHMENT IS NOT TO EXTEND BEYOND THE OUTER SURFACE OF THE CASE, END BELL OR REAR PLATE. SEE DETAIL B SHEET 4.
16. CABLE IS TO BE INTERNALLY STRAIN RELIEVED TO WITHSTAND A PULLOUT FORCE OF 13.6 KG (30 LBS) WITHOUT EXPOSING UNJACKETED LEADS.
17. CABLE EXIT FROM MOTOR TO BE SEALED TO PREVENT OIL AND DIRT INTRUSION.
18. CABLE SPECIFICATION: PER AMP DWG 3004-106.
19. WINDING INFORMATION, REFER TO AMP SPEC # 1500-048.
20. AS MEASURED ACROSS TWO WINDINGS IN SERIES.
21. ROTOR & STATOR LAMINATIONS TO BE PAINTED WITH H-5 YELLOW PRIMER.
22. MOTOR POWER LOSS MAX SPEC, SEE AMP STD SPEC #1500-065.
23. THIS MOTOR TO BE MANUFACTURED IN COMPLIANCE WITH EU DIRECTIVE "ROHS 2002/95/EC".
24. MOTOR LABEL TO INCLUDE "ROHS" COMPLIANT.

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE 3489	6/22/89	M.SALTER
B	SEE ECO 3495	8/16/89	M.SALTER
C	NEW FORMAT ECO 3509	1/11/90	B. CORSER
D	SEE ECO 3573	8/9/90	K.S.K.
E	SEE ECO 3634	4/24/91	K. Kordik
F	SEE ECO 3683		
G	SEE ECO 5235	9/29/05	R.H.

1. THIS SPEC NOT COMPLETE WITHOUT: DWG. NO. 341864
NOTES, UNLESS OTHERWISE SPECIFIED:

CUSTOMER PART NO.		APPLIED MOTION PRODUCTS, INC.			
S/SX 83-62 CMP P/N 71-011646-02		MOTOR SPECIFICATION			
APPROVALS	DATE				
DRAWN R. BARRICK	5/1/89	A	COMPUTER DATA BASE DRAWING	DWG NO. 5034-231	REV G
CHECKED					
APPROVED B. Corser	1/11/90				
APPROVED					SHEET 1 OF 4