

REVISION				
REV	ECN NO.	DESCRIPTION	DATE	APPROVED
A	R01.13452	SEE ECO	3-04-2010	T&B

- NOTES:
- FOR A C.C.W. ROTATION, AS VIEWED FROM LEAD END, ENERGIZE PER EXCITATION SEQUENCE BELOW.
 - MOTOR SUPPLIED AS TWO SEPARATE COMPONENTS, ARMATURE ASSEMBLY, AND FIELD ASSEMBLY.
 - DIMENSIONS IN BRACKETS [] ARE ENGLISH UNITS FOR REFERENCE ONLY.
 - HIGH STRENGTH ALLOY STEEL BOLTS MUST BE USED FOR MOUNTING. (METRIC CLASS 12.9, ASTM GRADE A574)
 - R=1.5K OHMS APPROX. (CUSTOMER SUPPLIED).
 - EMF-UV, EMF-VW AND EMF-WU IS BACK EMF OF MOTOR PHASES UV, VW AND WU RESPECTIVELY, ALIGNED WITH SENSOR OUTPUT AS SHOWN FOR C.C.W. ROTATION ONLY.

MOTOR LEADS:
 #10 AWG, TEFLON INSULATED, U.L.1199
 3 LEADS, 900 mm [35"] MIN
 1- BLUE 1- BROWN 1- VIOLET

THERMISTOR LEADS:
 #26 AWG, TEFLON INSULATED
 4 LEADS, 900 mm [35"] MIN
 2- BLUE 2- RED

SENSOR LEADS:
 #26 AWG TEFLON COATED PER MIL-W-22759/11
 5 LEADS, 900 mm [35"] MIN
 1-BLUE 1-GREEN 1-BROWN 1-ORANGE 1-YELLOW

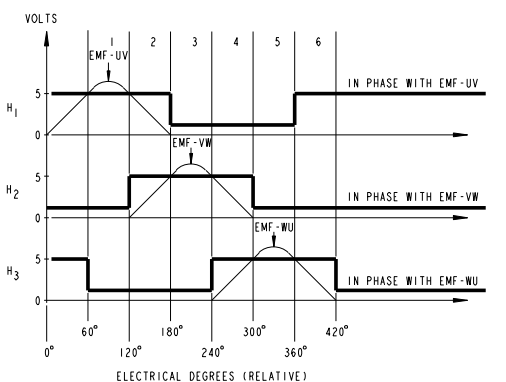
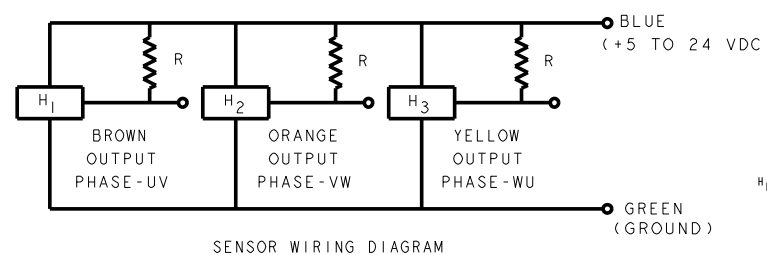
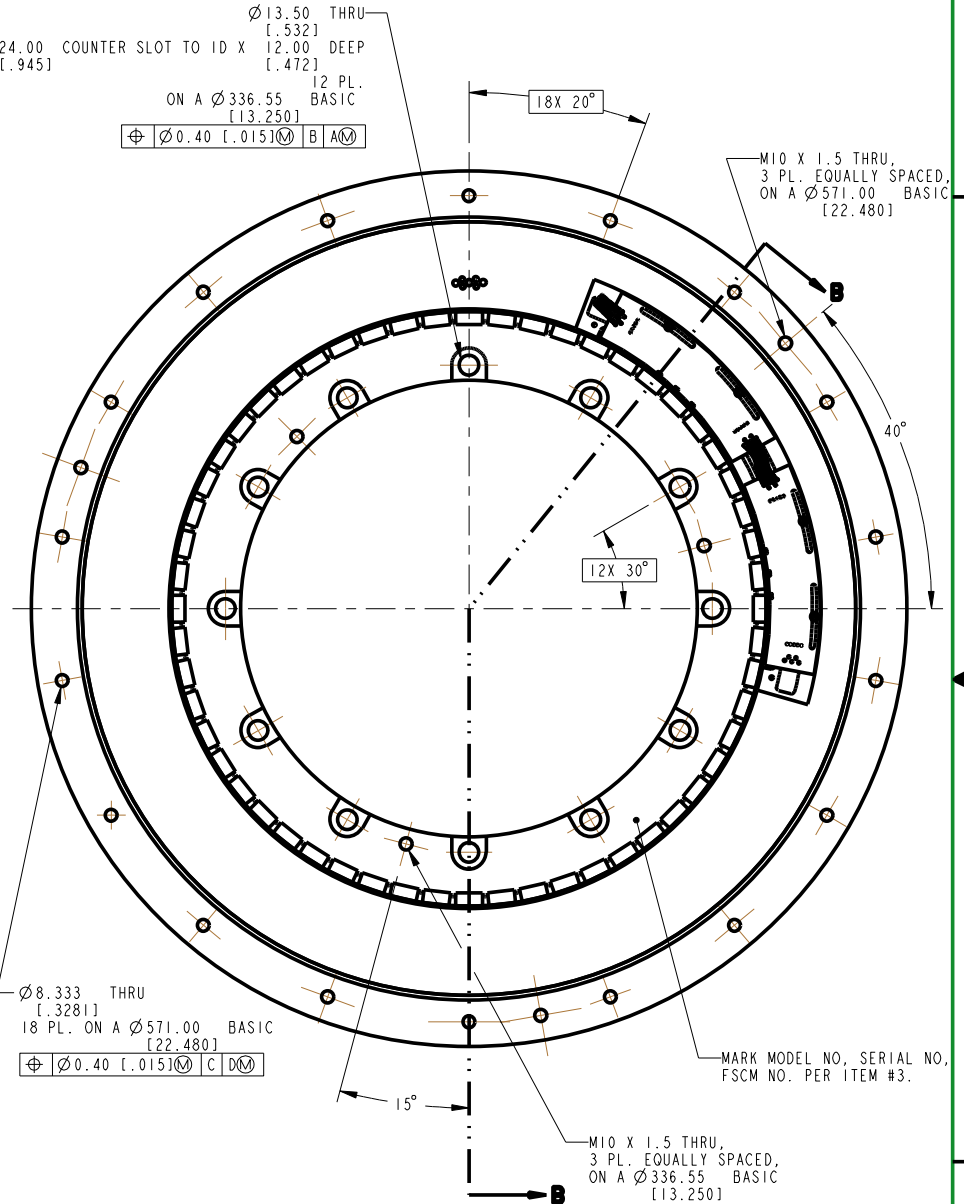
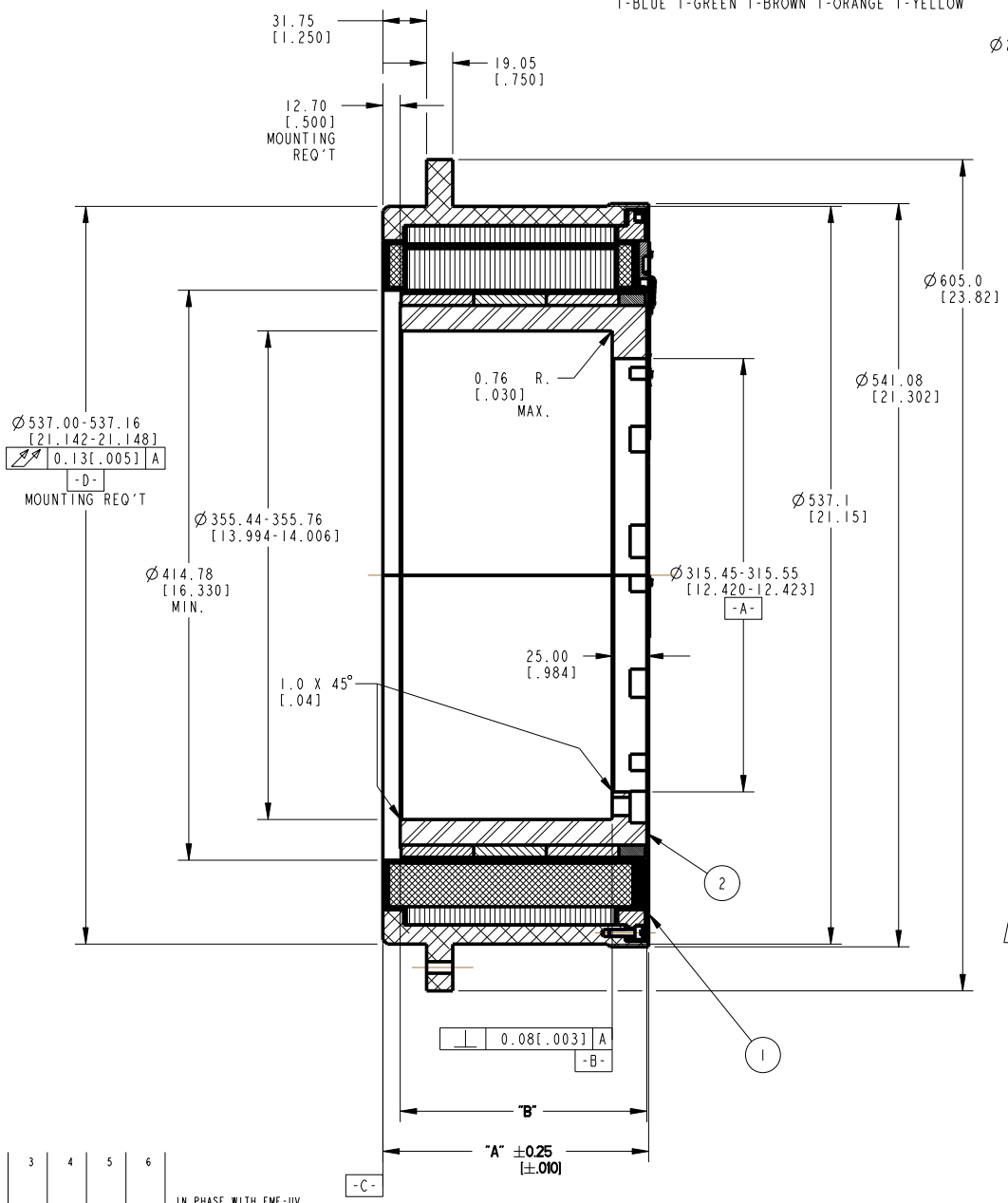
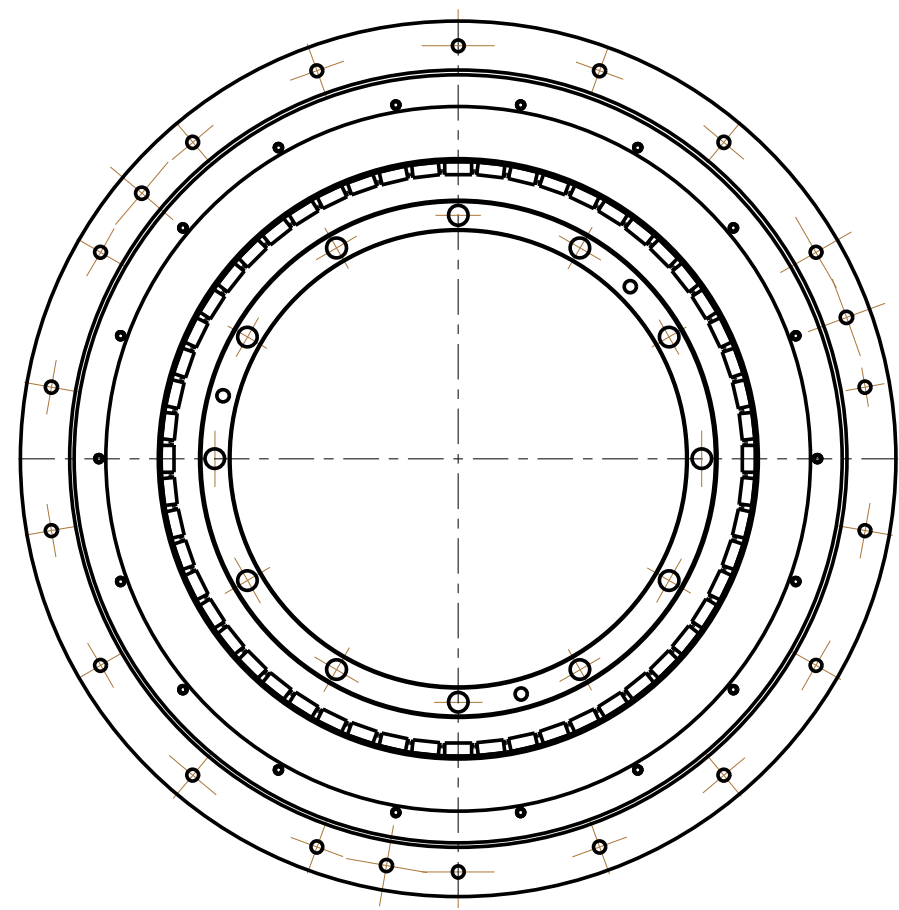


TABLE 1

MODEL NUMBER	ARMATURE & HOUSING ASSEMBLY	FIELD ASSEMBLY	DIM "A"	DIM "B"
KBMS-163X01	947971/01X	947972/01	142.54 [5.612]	126.24 [4.970]
KBMS-163X02	947971/02X	947972/02	193.34 [7.612]	179.32 [7.060]
KBMS-163X03	947971/03X	947972/03	244.14 [9.612]	232.41 [9.150]

ITEM	QTY	IDENTIFYING NO.	DESCRIPTION
3	AR	1M-2709	MARKING PROCEDURE
2	I	SEE TABLE	FIELD ASSEMBLY
1	I	SEE TABLE	ARMATURE HOUSING & SENSOR ASSEMBLY

LIST OF PARTS	
INLAND MOTOR	501 FIRST STREET, RADFORD, VIRGINIA 24141
OUTLINE AND ASSEMBLY	
KBMS-163XXX-X00	
FSCM	SIZE DWG. NO.
11384	D 947970
REV	A
SCALE: 0.500	JOB NO.:
SHEET 1 OF 1	

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Proj/E Instance Name: KBMS163.OUTLINE.947970
 Proj/E Drawing Name: 947970
 Proj/E Model Type: ASSEM
 Pro/Engineer Drawing

POWER CONNECTION

STEP	PHASE "U" BLUE	PHASE "V" BROWN	PHASE "W" VIOLET
1	(+)	(-)	(-)
2	(+)	(-)	(-)
3	(-)	(+)	(-)
4	(-)	(+)	(-)
5	(-)	(+)	(-)
6	(-)	(+)	(-)

EXCITATION SEQUENCE TABLE