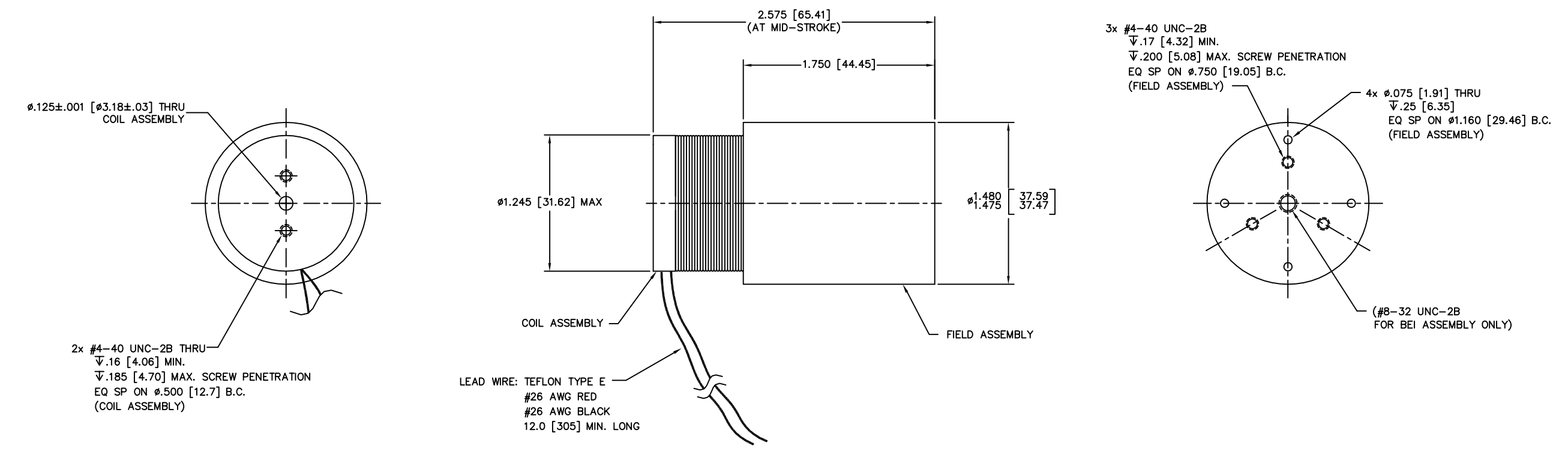
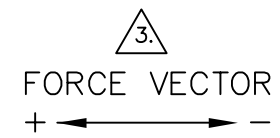


FCOM NO. 55789	DRAWING NO. LA15-26-000A	SHEET 1	REV D			
REVISIONS						
ZONE	REV	DOH NO.	DESCRIPTION	INITIALS	DATE	APPROVED
	B	044914	MATCH AVANTE BOM REV.	JJC	12/2/04	MG
	C	050300	CHANGE MILLI-SEC, NOW MICRO-SEC	JJC	04/19/05	MG
	D	060158	ADD RoHS LOGO	SLM	02/27/06	MG

WINDING CONSTANTS *	UNITS	TOL	SYMBOL	WDG A
DC RESISTANCE	OHMS	±12.5%	R	9.1
VOLTAGE \odot F _P	VOLTS	NOMINAL	V _P	46.0
CURRENT \odot I _P	AMPERES	NOMINAL	I _P	5.05
FORCE SENSITIVITY	LB/AMP	±10%	K _F	1.98
	N/AMP	±10%		8.81
BACK EMF CONSTANT	V/FT/SEC	±10%	K _B	2.68
	V/M/SEC	±10%		8.79
INDUCTANCE ****	MILLI-HENRY	±30%	L	4.2

ACTUATOR PARAMETERS *	UNITS	SYMBOL	VALUE
PEAK FORCE **	LB	F _P	10.0
	N		44.48
CONTINUOUS STALL FORCE ***	LB	F _{CS}	2.6
	N		11.57
ACTUATOR CONSTANT	LB/√WATT	K _A	0.66
	N/√WATT		2.94
ELECTRICAL TIME CONSTANT	MICRO-SEC	τ _E	462
MECHANICAL TIME CONSTANT	MILLI-SEC	τ _M	7.6
POWER I ² R \odot F _P	WATTS	P _P	232
STROKE	± INCHES		0.500
	± MM		12.7
CLEARANCE ON EACH SIDE OF COIL	IN		0.015
	MM		0.38
THERMAL RESISTANCE OF COIL	°C/WATT	θ _{TH}	5.5
MAX. ALLOWABLE COIL TEMP.	°C	TEMP	155
WEIGHT OF COIL ASSEMBLY	OZ	WT _C	2.3
	G		65.20
WEIGHT OF FIELD ASSEMBLY	OZ	WT _F	10.1
	G		286.33

* AT MID-STROKE & 25° AMBIENT TEMPERATURE
 ** 10 SECONDS AT 25° AMBIENT & 155° COIL TEMPERATURE
 *** 25° AMBIENT & 155° WINDING TEMPERATURE
 **** MEASURED AT 1000 Hz



4. INSULATION RESISTANCE: 100 MEGOHMS MINIMUM AT 500 VDC.
 3. A POSITIVE (+) VOLTAGE APPLIED TO THE RED LEAD WILL PRODUCE A FORCE ON THE COIL ASSEMBLY IN THE POSITIVE (+) DIRECTION.
 2. DIMENSION IN BRACKETS ARE MILLIMETERS [MM] AND ARE FOR REFERENCE ONLY.
 1. INTERPRET DIMENSIONS & TOLERANCES IAW ASME Y14.5M-1994.
 NOTES: UNLESS OTHERWISE SPECIFIED

THIRD ANGLE PROJECTION	UNLESS OTHERWISE SPECIFIED: -ALL DIMENSIONS ARE IN INCHES -DIMENSIONS ARE AFTER FINISH DO NOT SCALE DRAWING	BEI KIMCO MAGNETICS DIVISION VISTA, CA 92081											
	THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND IS THE PROPERTY OF BEI/KIMCO MAGNETICS DIVISION. IT MAY NOT BE REPRODUCED WITHOUT BEI/KIMCO MAGNETICS DIVISION WRITTEN PERMISSION OR USED FOR OTHER THAN AUTHORIZED PURPOSES.	TOLERANCES: DECIMALS .X ± 0.03 .XX ± 0.01 .XXX ± 0.005 ANGULAR ± 0°30'	<table border="1"> <tr> <th>APPROVALS</th> <th>DATE</th> <th>TITLE</th> </tr> <tr> <td> DRAWN R. ELLIOTT </td> <td>05/17/00</td> <td rowspan="3"> LINEAR ACTUATOR </td> </tr> <tr> <td> CHECKED P. STAHL </td> <td>04/19/05</td> </tr> <tr> <td> APPROVED M. GODKIN </td> <td>05/18/00</td> </tr> </table>	APPROVALS	DATE	TITLE	DRAWN R. ELLIOTT	05/17/00	LINEAR ACTUATOR	CHECKED P. STAHL	04/19/05	APPROVED M. GODKIN	05/18/00
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FSCOM NO. 55789 DRAWING NO. LA15-26-000A SCALE 2/1		SHEET 1 OF 1											