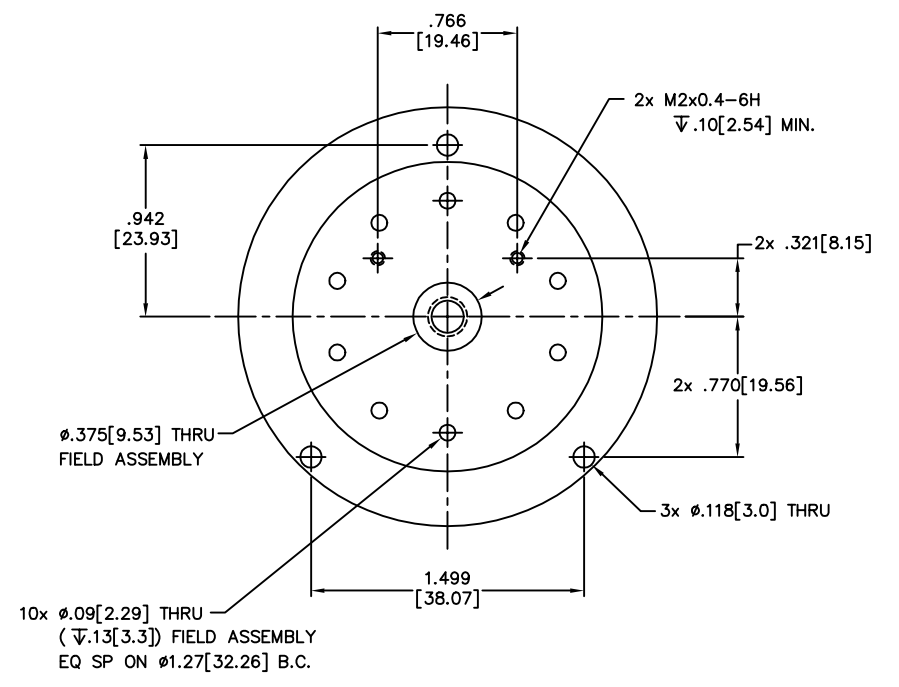
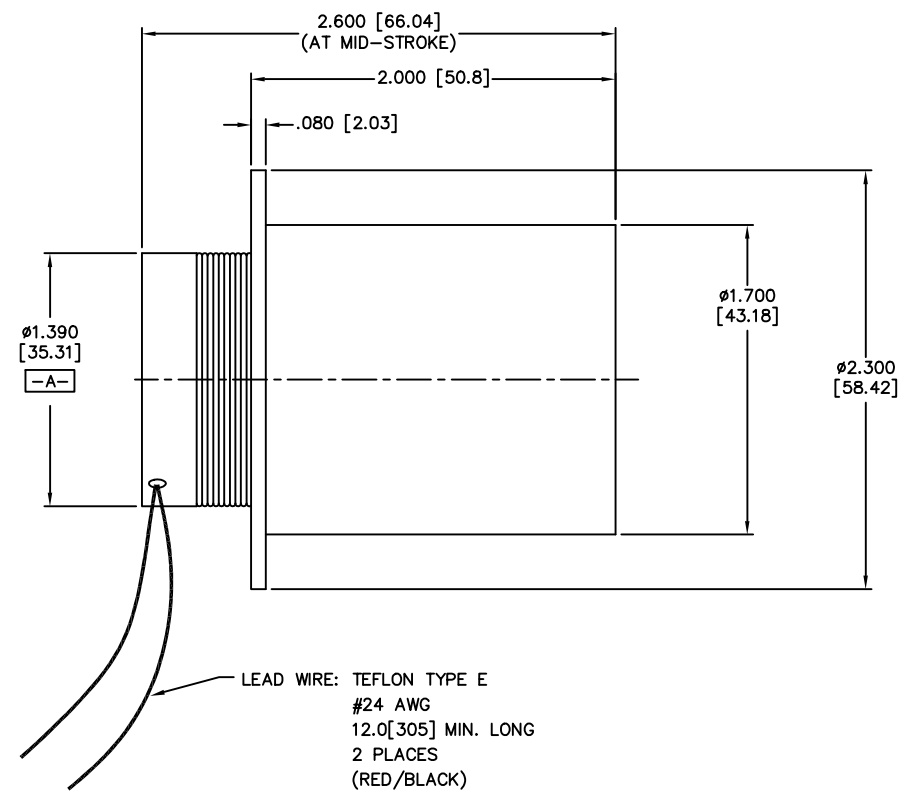
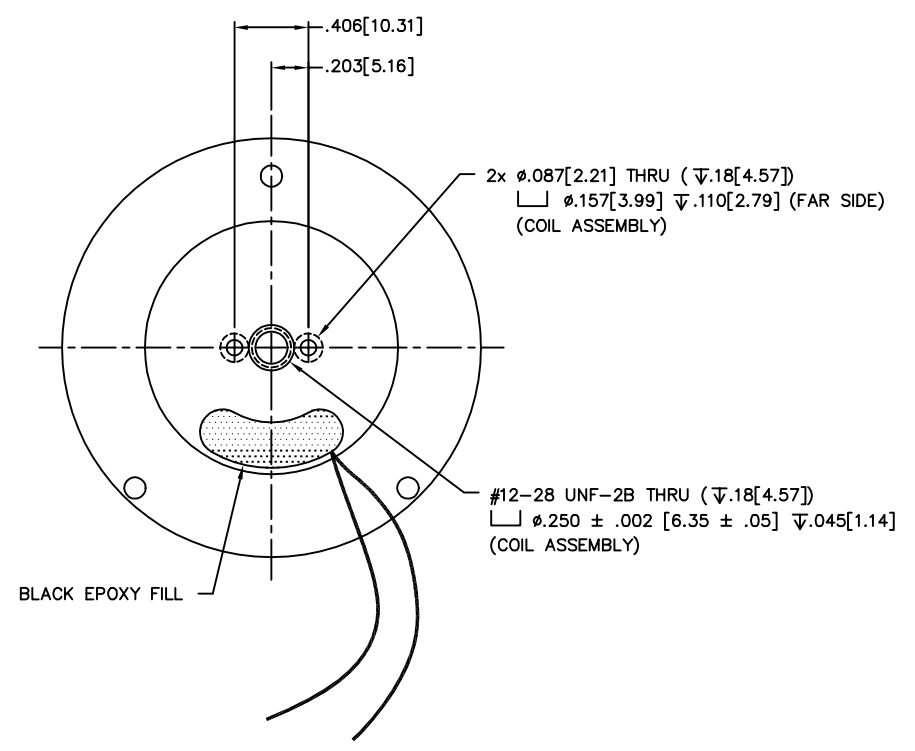
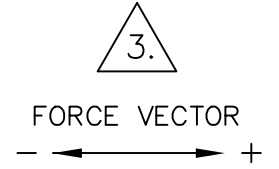
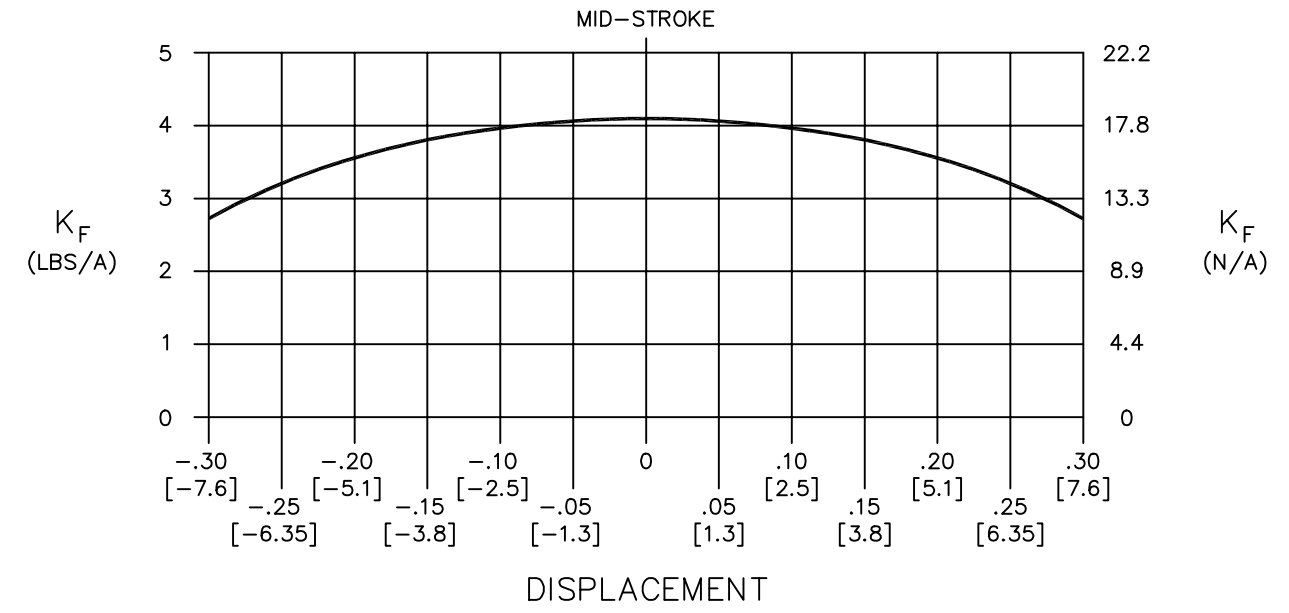


FCM NO. 55789	DRAWING NO. LA17-28-000A	SHEET 1	REV C			
REVISIONS						
ZONE	REV	DCN NO.	DESCRIPTION	INITIALS	DATE	APPROVED
	A	00-0411	UPDATE CURRENT STD	RRG	6/28/00	M.G.
	B	020498	NOTE 2: RED NOW BLACK	M.JL	5/28/02	M.G.
	C	021198	UPDATE TO DUAL DIM. TITLE BLOCK	M.JL	10/29/02	M.G.

WINDING CONSTANTS	UNITS	TOL	SYMBOL	WDG A
DC RESISTANCE	OHMS	±12.5%	R	6.7
VOLTAGE \odot F _P	VOLTS	NOMINAL	V _P	26.8
CURRENT \odot F _P	AMPERES	NOMINAL	I _P	4.0
FORCE SENSITIVITY	LB/AMP	±10%	K _F	4.0
	N/AMP	±10%		17.8
BACK EMF CONSTANT	V/FT/SEC	±10%	K _B	5.42
	V/M/SEC	±10%		17.8
INDUCTANCE ***	MILLI-HENRY	±30%	L	1.7

ACTUATOR PARAMETERS	UNITS	SYMBOL	VALUE
PEAK FORCE *	LB	F _P	16.0
	N		71.2
CONTINUOUS STALL FORCE **	LB	F _{CS}	6.4
	N		28.5
ACTUATOR CONSTANT	LB/√WATT	K _A	1.55
	N/√WATT		6.9
ELECTRICAL TIME CONSTANT	MILLI-SEC	τ _E	254
MECHANICAL TIME CONSTANT	MILLI-SEC	τ _M	1.7
POWER I ² R \odot F _P	WATTS	P _P	107.2
	± INCHES		0.300
STROKE	± MM		7.6
	IN		0.015
CLEARANCE ON EACH SIDE OF COIL	MM		0.38
	IN		0.015
THERMAL RESISTANCE OF COIL	°C/WATT	θ _{TH}	5.0
MAX. ALLOWABLE COIL TEMP.	°C	TEMP	155
WEIGHT OF COIL ASSEMBLY	OZ	WT _C	2.92
	G		82.8
WEIGHT OF FIELD ASSEMBLY	OZ	WT _F	14.6
	G		413.9

* 10 SECONDS AT 25°C AMBIENT, 155°C COIL TEMP
 ** 25°C AMBIENT & 155°C WINDING TEMPERATURE
 *** INDUCTANCE MEASURED WITH COIL ASSEMBLY IN FIELD AT MID-STROKE USING SENCORE MODEL NO. LC101 INDUCTANCE METER



- MECHANICAL OVERTRAVEL IN THE POSITIVE (+) DIRECTION IS .015 [.38] MIN.
 - A POSITIVE (+) VOLTAGE APPLIED TO THE BLACK LEAD WILL PRODUCE A FORCE ON THE COIL ASSEMBLY IN THE POSITIVE (+) DIRECTION.
 - DIMENSION IN BRACKETS ARE MILLIMETERS [MM] AND ARE FOR REFERENCE ONLY.
 - INTERPRET DIMENSIONS & TOLERANCES PER ANSI Y14.5M-1982.
- 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 SAN MARCOS, CA 92069	
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'	APPROVALS	DATE
		DRAWN BUTTERFIELD CHECKED	4/2/96
		APPROVED	DATE
		A. MORCOS	4/2/96
		SCALE 2/1	SHEET 1 OF 1