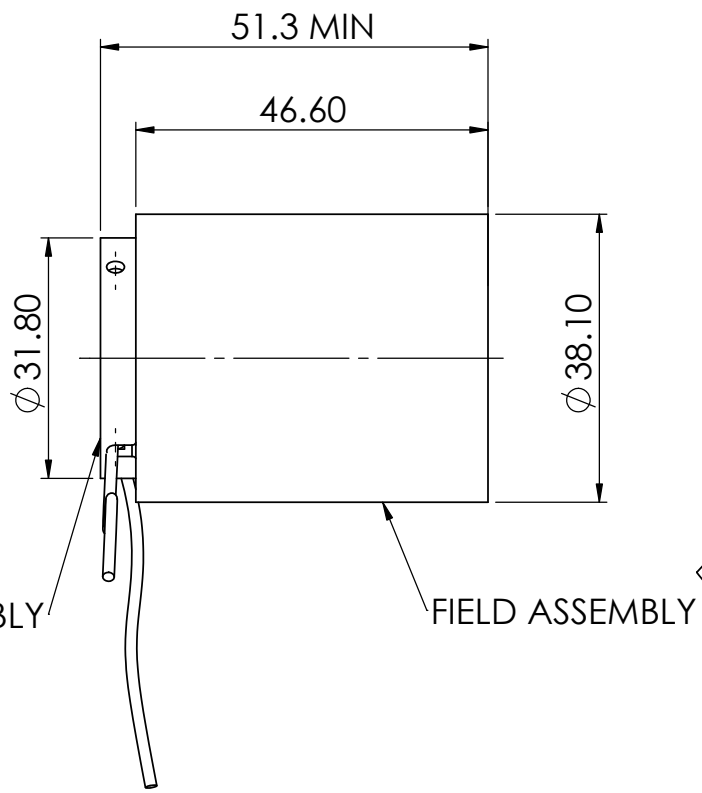
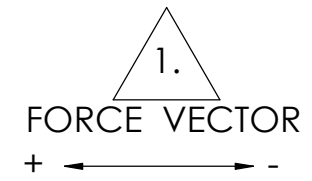
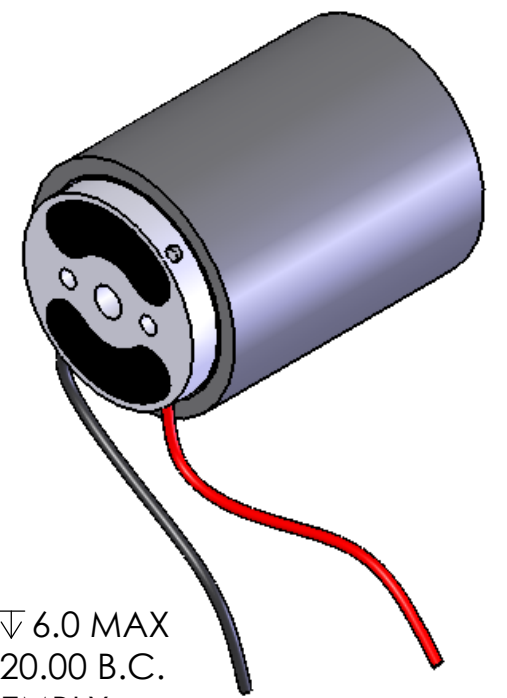


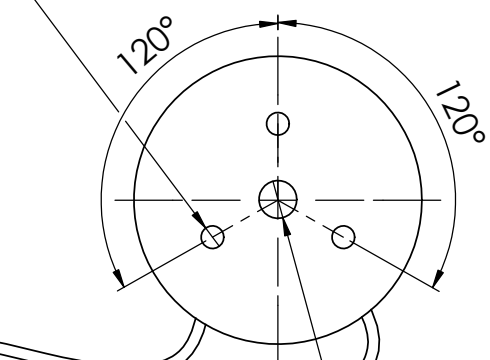
WINDING CONSTANT	TOL	SYM	VALUE	UNITS
DC RESISTANCE	± 10%	R	9.07	OHMS
VOLTAGE @ Fp	NOMINAL	Vp	44.9	VOLTS
CURRENT @ Fp	NOMINAL	Ip	4.95	AMPS
FORCE SENSITIVITY	± 7.5%	Kf	8.88	N / A
BACK EMF CONSTANT	NOMINAL	Kb	8.88	V/M/Sec
INDUCTANCE*****	± 30%	L	4.2	mH
ACTUATOR PARAMETER		SYM	VALUE	UNITS
PEAK FORCE *		Fp	44	N
CONTINUOUS FORCE **		Fc	11.7	N
CONTINUOUS FORCE WITH HEAT SINK		Fc	15.8	N
ACTUATOR CONSTANT		Ka	2.95	N/√w
ELECT TIME CONSTANT		Te	0.46	milli-sec
POWER I ² R@Fp		Pp	223	W
TOTAL STROKE		S	24.9	mm
CLEARANCE ON SIDE OF COIL		CL	0.5	mm
THERMAL RESISTANCE ***		θth	7.95	C / W
THERMAL RESISTANCE WITH HEAT SINK****		θth	4.36	C / W
MAX WINDING TEMP		Tmax	150	C
WEIGHT OF COIL ASSEMBLY		WTc	65.9	g
WEIGHT OF FIELD ASSEMBLY		WTf	302.1	g
WEIGHT OF ACTUATOR		WTa	368	g

* 10 sec @ 25C ambient, 150C coil temp.
 ** 25C ambient, 150C coil temp.
 *** In free air.
 **** Measured with 250×250×10mm heat sink.
 ***** Measured with BK PRECISION 875B.

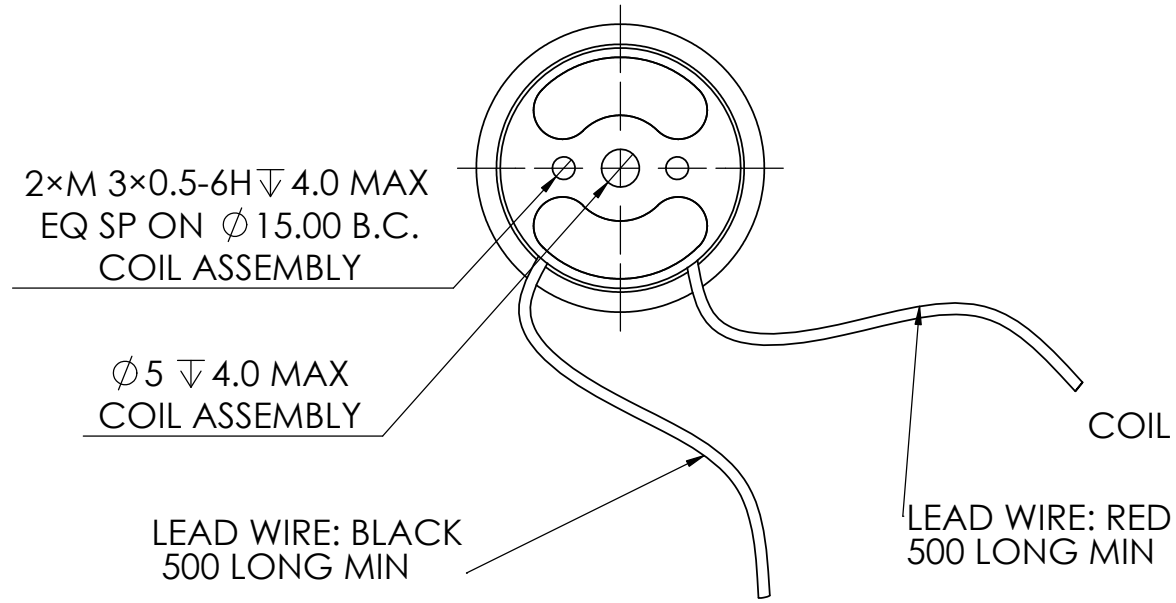
REV	ECO.NO	DESCRIPTION	DRN	APP'D	Q.A.	DATE
X1	---	INITIAL RELRASE	WYG	FCL		06/08/13
X2	100038	UPDATE DATA SHEET	WYG	FCL		06/09/29
X3	100059	UPDATE DATA SHEET	BWZ	WYG	LBQ	07/04/26



3×M3×0.5-6H∇ 6.0 MAX
 EQ SP ON ∅ 20.00 B.C.
 FIELD ASSEMBLY



M5×0.8-6H∇ 6.0 MAX
 FIELD ASSEMBLY



2.INSULATION RESISANCE:100 MEGOHMS MINIMUM AT 500 VDC.
 1.A POSITIVE(+)VOLTAGE APPLIED TO THE RED LEAD WILL PRODUCE A FORCE ON THE COIL ASSEMBLY IN POSITIVE (+) DIRECTION.
 NOTES:UNLESS OTHERWISE SPECIFIED

UNLESS OTHERWISE SPECIFIED:		NAME	DATE	Suzhou, China
DIMENSIONS ARE IN MM TOLERANCES: ANGULAR: MACH±0° 30' ONE PLACE DECIMAL ±0.25 TWO PLACE DECIMAL ±0.1		DRAWN	BWZ 07-04-26	
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF USAS MOTION - SUZHOU, CHINA. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF USAS MOTION - SUZHOU, CHINA IS PROHIBITED.		CHECKED		TITLE:
		ENG APPR.	WYG 07-04-26	LINEAR ACTUATOR
		MFG APPR.		
INTERPRET GEOMETRIC TOLERANCING PER: ANSI Y14.5M-1982.		Q.A.	LBQ 07-04-26	SIZE DWG. NO. REV B VLR0044-0249-00A X3
DO NOT SCALE DRAWING		COMMENTS:		SCALE: 1: 1 SHEET 1 OF 1