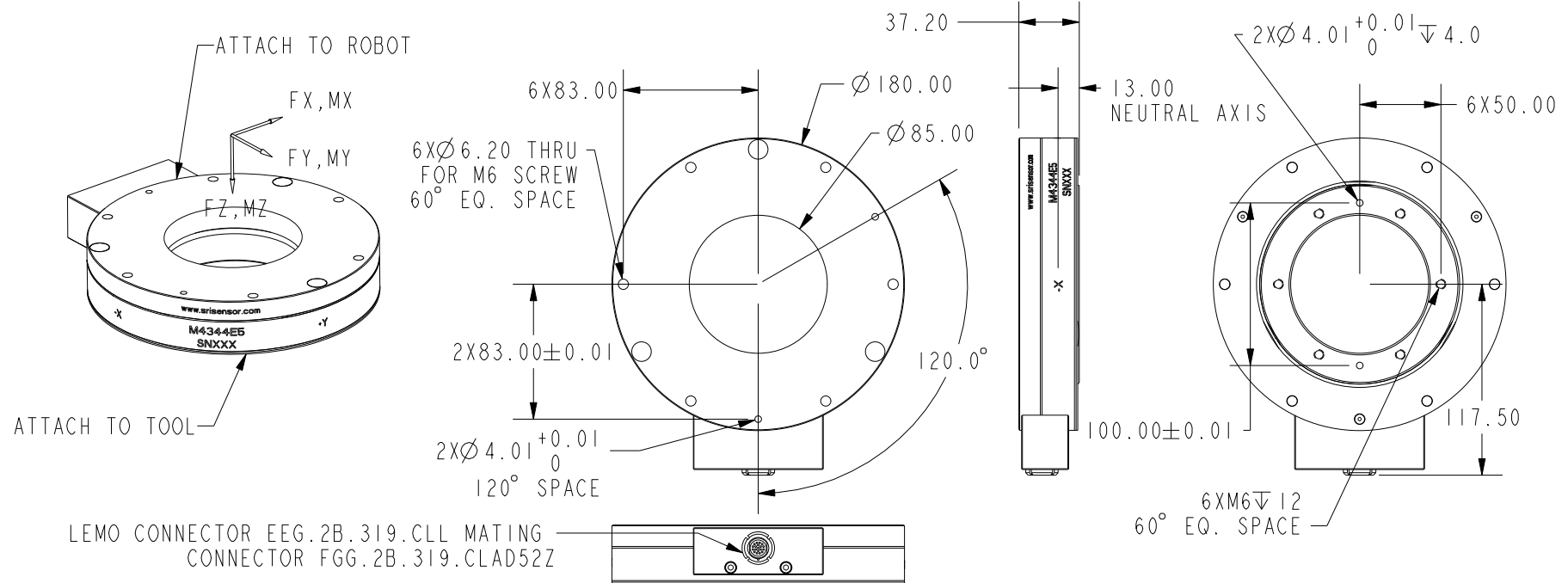




POSITIVE OUTPUT WHEN THE LOAD IS APPLIED TO THE TOOL SIDE
 PER COORDINATE SYSTEM AS SHOWN
 THE OUTPUTS ARE NOT STRUCTURALLY DECOUPLED
 A 6X6 DECOUPLED MATRIX IS PROVIDED TO OBTAIN EACH COMPONENT

	Fx	Fy	Fz	Mx	My	Mz
CAPACITY (N/Nm)	7200N	7200N	14400N	1000Nm	1000Nm	1000Nm
OUTPUT (mV/V)	COUPLED					
BRIDGE RES. (Ω)	350	350	350	350	350	350

LEMO PIN ASSIGNMENT - TWISTED PAIR COLOR CODES					
PIN #	FUNCTION	PIN #	FUNCTION	PIN #	FUNCTION
1	+CH1 WT(BN)	6	-CH3 BN(BL)	10	-CH5 BN(RD)
2	-CH1 BN(WT)	7	+CH4 YL(BN)	11	+CH6 WT(BK)
3	+CH2 OG(BN)	8	-CH4 BN(YL)	12	-CH6 BK(WT)
4	-CH2 BN(OG)	9	+CH5 RD(BN)	17	-V BK(OG)
5	+CH3 BL(BN)	18	+V OG(BK) & BL(BK) & BK(BL)		
19	GND RD(BK)&BK(RD)&YL(BK)&BK(YL)			SHIELD TO CONNECTOR SHELL	
WT=WHITE, BN=BROWN, OG=ORANGE, BL=BLUE, YL=YELLOW, RD=RED, BK=BLACK					
WT(BN)=WHITE WIRE IN WHITE & BROWN PAIR, CABLE ASSEMBLY NOT INCLUDED					

SPECIFICATIONS	
EXCITATION MAX. (V)	5
OVERLOAD CAPACITY (%F.S.)	300
FREE AIR RESONANT FREQ. (HZ.)	1800
CROSSTALK (%F.S.)	2.5
NON-LINEARITY (%F.S.)	0.5
HYSTERESIS (%F.S.)	0.5
OPERATING TEMP. RANGE (°C)	-40 TO +100
COMPENSATED TEMP. RANGE (°C)	10 TO 70
MASS (KG)	3.1
SUNRISE INSTRUMENTS www.srisensor.com	
SIX AXIS CIRCULAR LOAD CELL, COUPLED D180MM F7200N	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM	M4344E5 REV. 0.1