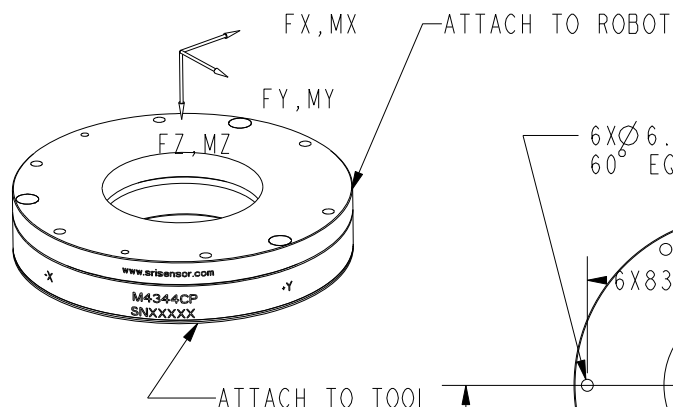




LEMO CONNECTOR  
EEG.2B.319.CLL  
MATING CONNECTOR  
FGG.2B.319.CLAD52Z

POSITIVE OUTPUT WHEN THE LOAD IS APPLIED TO THE TOOL SIDE  
PER COORDINATE SYSTEM AS SHOWN

IP68

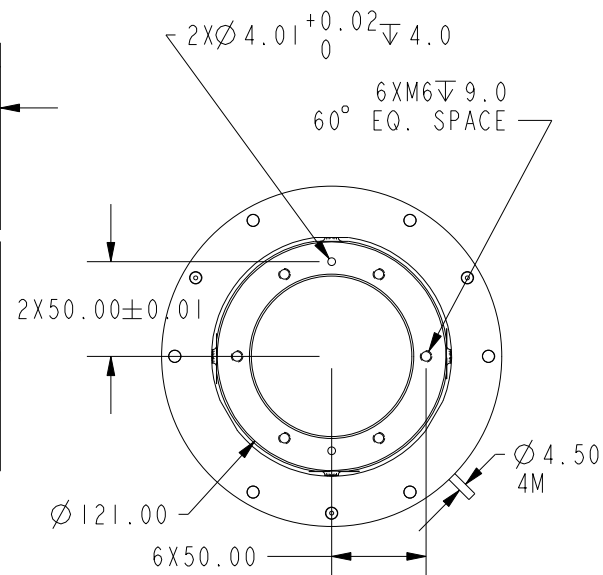
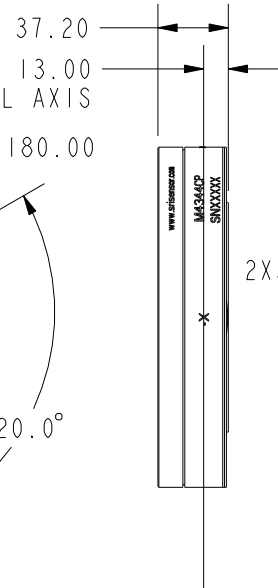
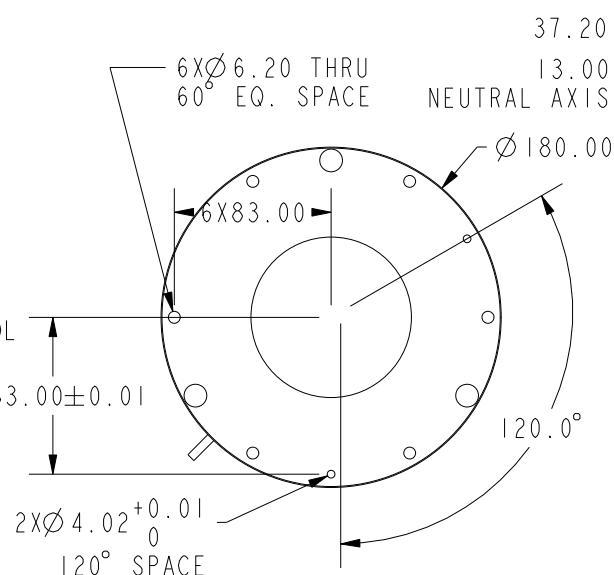
THE OUTPUTS ARE NOT STRUCTURALLY DECOUPLED  
A 6X6 DECOUPLED MATRIX IS PROVIDED TO OBTAIN EACH COMPONENT

|                        | Fx      | Fy    | Fz    | Mx    | My    | Mz    |
|------------------------|---------|-------|-------|-------|-------|-------|
| <b>CAPACITY (N/Nm)</b> | 1600N   | 1600N | 1600N | 240Nm | 240Nm | 240Nm |
| <b>OUTPUT (mV/V)</b>   | COUPLED |       |       |       |       |       |

#### WIRING CODE - TWISTED PAIR

| FUNC | CHN1          | CHN2       | CHN3        | CHN4          | CHN5       | CHN6         |
|------|---------------|------------|-------------|---------------|------------|--------------|
| +SIG | WHITE(BROWN)  | ORG(BROWN) | BLUE(BROWN) | YEL(BROWN)    | RED(BROWN) | WHITE(BLACK) |
| -SIG | BROWN(WHITE)  | BROWN(ORG) | BROWN(BLUE) | BROWN(YEL)    | BROWN(RED) | BLACK(WHITE) |
| +EXC | ORG(BLACK)    | BLACK(ORG) | BLUE(BLACK) | BLACK(BLUE)   | RED(BLACK) | BLACK(RED)   |
| -EXC | YELLOW(BLACK) |            |             | BLACK(YELLOW) |            |              |

"YEL"="YELLOW", "ORG"="ORANGE", "WHITE(BROWN)" = WHITE CABLE IN WHITE/BROWN PAIR



#### SPECIFICATIONS

|                               |             |
|-------------------------------|-------------|
| POWER SUPPLY (V)              | 5V          |
| OVERLOAD CAPACITY (%F.S.)     | 300         |
| FREE AIR RESONANT FREQ. (HZ.) | 1800        |
| CROSSTALK (%F.S.)             | 3.0         |
| 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 F1600N

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN MM

M4344CP

REV.  
A