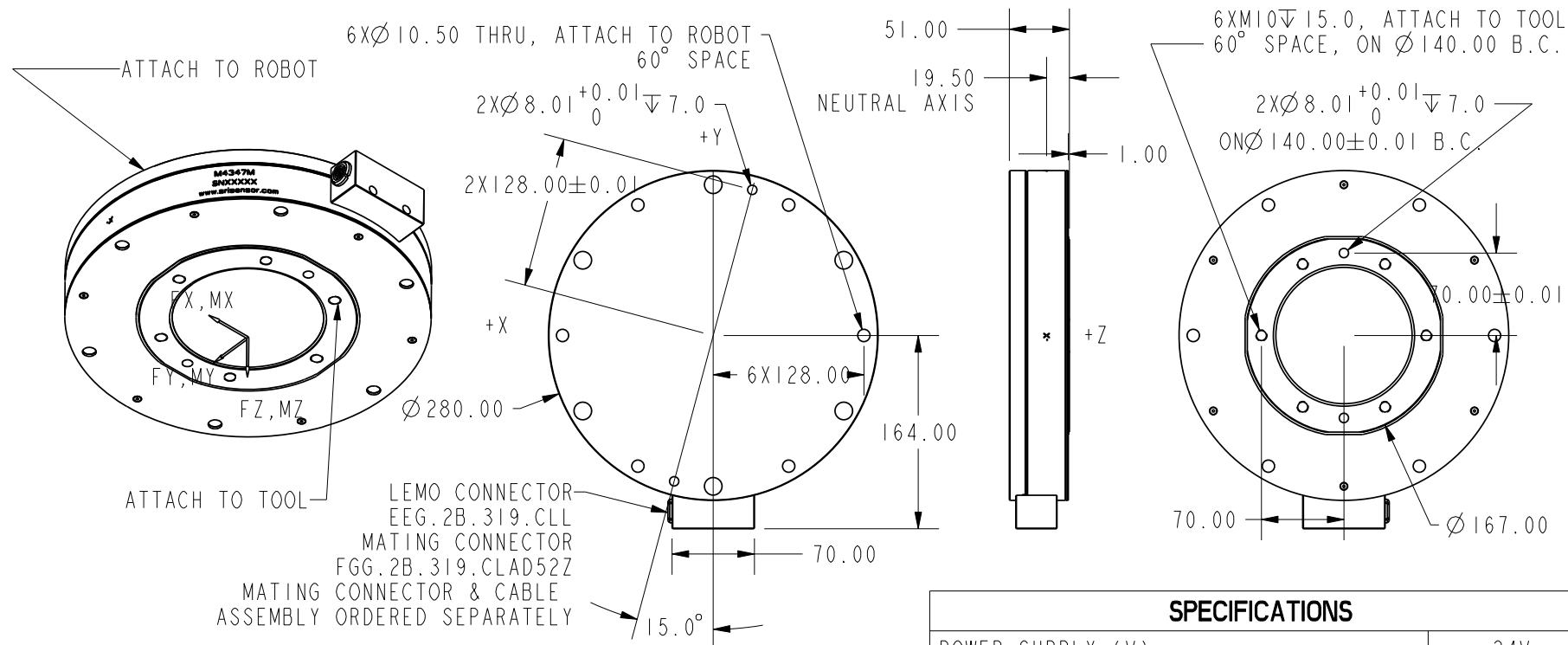




THE OUTPUTS ARE STRUCTURALLY DECOUPLED  
NOTE: MZ IS RATED TO 6KNM, BUT CALIBRATED TO 3KNM  
DUE TO LIMITATION OF CALIBRATION TOOLING

|                         | Fx   | Fy   | Fz   | Mx   | My   | Mz   |
|-------------------------|------|------|------|------|------|------|
| <b>CAPACITY</b>         | 15KN | 15KN | 30KN | 6KNM | 6KNM | 6KNM |
| <b>OUTPUT @ F.S.(V)</b> | 9.0  | 9.0  | 9.0  | 9.0  | 9.0  | 9.0  |

DIFFERENTIAL OUTPUT±10V(MAX), CENTERED AT 0V

#### LEM0 PIN ASSIGNMENT - TWISTED PAIR COLOR CODES

| PIN #                                                               | FUNCTION                        | PIN # | FUNCTION                        | PIN # | FUNCTION   |
|---------------------------------------------------------------------|---------------------------------|-------|---------------------------------|-------|------------|
| 1                                                                   | +FX WT(BN)                      | 6     | -FZ BN(BL)                      | 10    | -MY BN(RD) |
| 2                                                                   | -FX BN(WT)                      | 7     | +MX YL(BN)                      | 11    | +MZ WT(BK) |
| 3                                                                   | +FY OG(BN)                      | 8     | -MX BN(YL)                      | 12    | -MZ BK(WT) |
| 4                                                                   | -FY BN(OG)                      | 9     | +MY RD(BN)                      | 17    | NA         |
| 5                                                                   | +FZ BL(BN)                      | 18    | +V 24V 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 |                                 |       |                                 |       |            |

#### SPECIFICATIONS

|                               |             |
|-------------------------------|-------------|
| POWER SUPPLY (V)              | 24V         |
| OVERLOAD CAPACITY (%F.S.)     | 300         |
| FREE AIR RESONANT FREQ. (HZ.) | 3500        |
| 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)                     | 9.9         |

**SUNRISE INSTRUMENTS**

[www.srisensor.com](http://www.srisensor.com)

SIX AXIS CIRCULAR LOAD CELL  
D280MM F15KN

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN MM

M4347M

REV.  
B