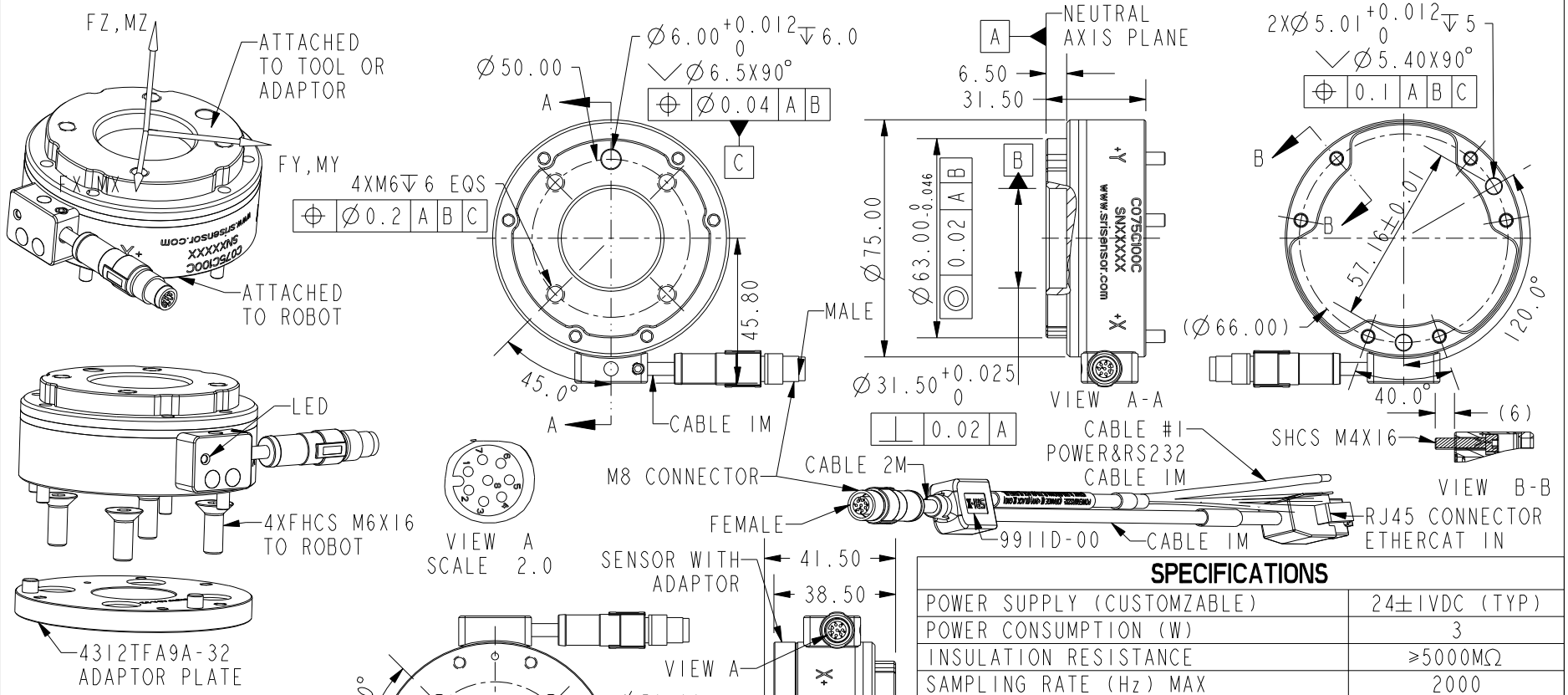



| CABLE #1 | |
|---|---|
| COLOR | FUNCTION |
| ORANGE | 24±IV(DC) |
| BLACK | GND |
| GRAY | RX |
| BROWN | TX |

| M8 CONNECTOR PIN ASSIGNMENT | | | | | |
|---|---|---|---|---|---|
| PIN# | FUNCTION | COLOR | PIN# | FUNCTION | COLOR |
| 1 | 24±IV | ORANGE | 5 | RXP | YELLOW |
| 2 | GND | BLACK | 6 | RXN | GREEN |
| 3 | TXP | BLUE | 7 | RX | GRAY |
| 4 | TXN | WHITE | 8 | TX | BROWN |

| LED STATUS | SENSOR STATUS |
|---|---|
| OFF | POWER OFF |
| FLIKER | WORK PROPERLY |
| ON | ABNORMAL |

| SPECIFICATIONS | | |
|---|---|---|
| POWER SUPPLY (CUSTOMZABLE) | | 24±IVDC (TYP) |
| POWER CONSUMPTION (W) | | 3 |
| INSULATION RESISTANCE | | ≥5000MΩ |
| SAMPLING RATE (Hz) MAX | | 2000 |
| CROSSTALK (%F.S.) | | 2 |
| 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 |
| CAPACITY | Fx=Fy=Fz | 100N |
| | Mx=My=Mz | 10Nm |
| OVERLOAD CAPACITY (%F.S.) | | 300 |
| MATERIAL | | AL ALLOY |
| MASS (KG) NOT INCLUDING ADAPTOR | | 0.25 |

PEAK-TO-PEAK NOISE = 6.6 X RMS NOISE (EFFECTIVE RESOLUTION)
NOISE IS MEASURED AT SAMPLING RATE 200HZ

| | | | | | | |
|---|---|---|---|---|---|---|
| PEAK-TO-PEAK NOISE | 0.15N | 0.15N | 0.04N | 0.002Nm | 0.002Nm | 0.004Nm |
| EFFECTIVE RESOLUTION | 0.02N | 0.02N | 0.006N | 0.0003Nm | 0.0003Nm | 0.0006Nm |

**SUNRISE INSTRUMENTS**

**www.srisensor.com**

# SIX AXIS CIRCULAR LOAD CELL D75MM, ETHERCAT TCP/IP OUTPUT, IP64

| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM | C075C100C | REV. A |
|---|---|---|