



LEMO CONNECTOR
EEG.2K.316.CLL
MATING CONNECTOR
FGG.2K.316.CLAD52Z

THE OUTPUT IS POSITIVE WHEN THE LOAD IS APPLIED TO THE TOOL SIDE PER COORDINATE AS SHOWN. A 6X6 MATRIX IS PROVIDED FOR DECOUPLING

| | | | | | | |
|-------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| | Fx | Fy | Fz | Mx | My | Mz |
| CAPACITY (N/Nm) | 40N | 40N | 40N | 3.5Nm | 3.5Nm | 3.5Nm |
| OUTPUT @ F.S.(V) | COUPLED | | | | | |

| LEMO PIN ASSIGNMENT | | | | | |
|---------------------|----------|-------|----------|-------|----------|
| PIN # | FUNCTION | PIN # | FUNCTION | PIN # | FUNCTION |
| 1 & 2 | GND | 7 | +CHN2 | 12 | -CHN4 |
| 3 | +PWR | 8 | -CHN2 | 13 | +CHN5 |
| 4 | | 9 | +CHN3 | 14 | -CHN5 |
| 5 | +CHN1 | 10 | -CHN3 | 15 | +CHN6 |
| 6 | -CHN1 | 11 | +CHN4 | 16 | -CHN6 |

| SPECIFICATIONS | |
|---------------------------------|-------------|
| POWER SUPPLY (V) | 5 |
| OVERLOAD CAPACITY (%F.S.) | 1000 |
| NON-LINEARITY (%F.S.) | 0.5 |
| HYSTERESIS (%F.S.) | 0.5 |
| CROSSTALK (%F.S.) | 2.0 |
| RESOLUTION (WITH M8125, 16 BIT) | 1/5000 |
| RESONANT FREQ. (FX,FY,MZ) (HZ.) | 510 |
| RESONANT FREQ. (FZ,MX,MY) (HZ.) | 810 |
| OPERATING TEMP. RANGE (°C) | -40 TO +100 |
| MASS (KG) | 0.69 |

SUNRISE INSTRUMENTS
www.srisensor.com

SIX AXIS LOADCELL WITH OL STOPS & AMP
D100MM F40N, HIGH PRECISION VERSION

| | | |
|--|---------|-----------|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM | M3816A1 | REV. A |
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