



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) | 200 | 200 | 400 | 11 | 11 | 11 |
| OUTPUT (mV/V) | COUPLED | | | | | |
| BRIDGE RES. (Ω) | 700 | 700 | 700 | 700 | 700 | 700 |
| MATERIAL CODE | S10-00612-00 | | | | | |
| 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 | |
|--|-------------|
| EXCITATION MAX. (V) | 5 |
| OVERLOAD CAPACITY (%F.S.) | 300 |
| FREE AIR RESONANT FREQ. (HZ.) | 4500 |
| 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) | 0.12 |
| SUNRISE INSTRUMENTS www.srisensor.com | |
| SIX AXIS CIRCULAR LOAD CELL, COUPLED D70MM F200N | |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM | M3704C3A |
| REV. | A |