



STIFFNESS:
 FX: 8.0E+07 N/m
 FY: 6.0E+07 N/m
 FZ: 1.6E+08 N/m
 MX: 3.6E+04 Nm/rad
 MY: 2.3E+04 Nm/rad
 MZ: 3.3E+04 Nm/rad

CONNECTOR PINOUT	
PIN #	FUNCTION
1	RX(RS232)
2	TX(RS232)
3	RS485A
4	RS485B
5	11 TO 25V
6	GND
7	NC
8	NC
SHELL	SHIELD

CALIBRATION: EOAT 7 HARDWARE
 IP PROTECTION: IP60
 SUFFICIENT DYNAMIC RANGE FOR ZERO OFFSET UP TO 200% F.S.
 CONNECTOR COMPLIANT WITH IEC 61076-2-104 AND COMPATIBLE WITH MATING RECEPTACLE AMPHENOL M8S-08PFFP-SF8001

	Fx	Fy	Fz	Mx	My	Mz
CAPACITY	300N	300N	300N	60Nm	60Nm	60Nm
OVERLOAD CAPACITY	1500N	1500N	1500N	120Nm	120Nm	120Nm
PEAK-TO-PEAK NOISE = 6.6 X RMS NOISE (EFFECTIVE RESOLUTION) NOISE IS MEASURED AT SAMPLING RATE 2000HZ						
PEAK-TO-PEAK NOISE	0.8N	0.7N	0.8N	0.015Nm	0.015Nm	0.016Nm
EFFECTIVE RESOLUTION	0.12N	0.11N	0.12N	0.002Nm	0.002Nm	0.002Nm

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

SPECIFICATIONS	
POWER SUPPLY (V)	11 TO 25
OVERALL ACCURACY (%F.S.)	1.5
OPERATING TEMP. RANGE (°C)	-20 TO +80
DIGITAL OUTPUT	RS485
SAMPLING RATE (Hz)	2000
FREE AIR RESONANT FREQ. (Hz)	1060
MASS (NOT INCLUDING CABLE)	115±10g

SUNRISE INSTRUMENTS
www.srisensor.com

SIX AXIS CIRCULAR LOAD CELL
 D60MM, F300N, RS485 OUTPUT

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM	M4313S1A6C	REV. A
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