



THE OUTPUT IS POSITIVE WHEN THE LOAD IS APPLIED TO THE TOOL SIDE PER COORDINATE AS SHOWN. ALL CHANNELS ARE STRUCTURALLY DECOUPLED EMBEDDED AMPLIFIER INLCUDED.

	Fx	Fy	Fz	Mx	My	Mz
CAPACITY (N/Nm)	165	165	495	15	15	15
OUTPUT @ F.S.(V)	4.9-5.1	4.9-5.1	4.1-5.1	4.9-5.1	4.9-5.1	4.9-5.1
RESOLUTION (N/Nm)	0.03	0.03	0.11N	0.003	0.003	0.003

RESOLUTION IS DEFINED WITH VISIBLE CHANGE WHEN MINIMUM LOAD IS QUICKLY APPLIED OR REMOVED AT 200 HZ SAMPLING RATE WITH INTERFACE BOX M8128C6

LEMO PIN ASSIGNMENT

PIN #	FUNCTION	PIN #	FUNCTION	PIN #	FUNCTION
1 & 2	GND	7	+FY	12	-MX
3	+15V	8	-FY	13	+MY
4	-15V	9	+FZ	14	-MY
5	+FX	10	-FZ	15	+MZ
6	-FX	11	+MX	16	-MZ

SPECIFICATIONS

POWER SUPPLY (V)	$\pm 15V$
OVERLOAD CAPACITY (%F.S.)	1000
LOWEST FREE AIR RESONANT FREQ. (HZ.)	700
CROSSTALK - NO ADJUSTMENT (%F.S.)	5
CROSSTALK - WITH ADJUSTMENT (%F.S.)	2.5
NON-LINEARITY (%F.S.)	1.0
HYSTERESIS (%F.S.)	1.0
OPERATING TEMP. RANGE ($^\circ C$)	-40 TO +125
COMPENSATED TEMP. RANGE ($^\circ C$)	10 TO 70
MASS (KG)	1.25

SUNRISE INSTRUMENTS

www.srisensor.com

SIX AXIS LOADCELL WITH OL STOPS & AMP
D104MM F165N, IP65

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN MM

M3314A

REV.
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