



LEM0 CONNECTOR
EEG.2K.316.CLL
MATING CONNECTOR
FGG.2K.316.CLAD52Z

MOUNTING
ROBOT ARM
TO THIS SIDE

MOUNTING TOOL
TO THIS SIDE

NEUTRAL AXIS

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)	4.5	4.5	4.5	4.5	4.5	4.5

DIFFERENTIAL OUTPUT, COMMON MODE AT 0V

LEM0 PIN ASSIGNMENT

PIN #	FUNCTION	PIN #	FUNCTION	PIN #	FUNCTION
1 & 2	GND	7	+FY	12	-MX
3	+24V	8	-FY	13	+MY
4	NA	9	+FZ	14	-MY
5	+FX	10	-FZ	15	+MZ
6	-FX	11	+MX	16	-MZ

SPECIFICATIONS

POWER SUPPLY (V)	+24V
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 (°C)	-40 TO +90
COMPENSATED TEMP. RANGE (°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

M3314A4

REV.
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