



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

MOUNTING TOOL
TO THIS SIDE

MOUNTING
ROBOT ARM
TO THIS SIDE

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)	7200	7200	18000	1400	1400	1400
OUTPUT	ETHERCAT					
RESOLUTION (N/Nm)	0.98	0.98	3.0	0.186	0.186	0.186

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)	24V(15-30V)
Current (mA) nominal	120
Current (mA) peak	200
OVERLOAD CAPACITY (%F.S.)	1000
LOWEST FREE AIR RESONANT FREQ. (HZ.)	1400
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 +125
COMPENSATED TEMP. RANGE (°C)	10 TO 70
MASS (KG)	8.6

SUNRISE INSTRUMENTS
www.srisensor.com

SIX AXIS LOADCELL WITH OL STOPS & AMP
D199MM F7200N, IP65

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM	M4314L	REV. A
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