



LEMO CONNECTOR
 EEG.2K.316.CLL
 MATING CONNECTOR
 FGG.2K.316.CLAD52Z
 MATING CONNECTOR & CABLE
 ASSEMBLY ORDERED SEPARATELY

THE OUTPUTS ARE STRUCTURALLY DECOUPLED

	Fx	Fy	Fz	Mx	My	Mz
CAPACITY	6KN	6KN	12KN	2500NM	2500NM	2500NM
RESOLUTION	1.95N	1.63N	3.25N	0.32NM	0.32NM	0.45NM
OUTPUT @ F.S.(V)	5.0	5.0	5.0	5.0	5.0	5.0

DIFFERENTIAL OUTPUT ±10V(MAX), CENTERED AT 0V, ABB CIRCUIT BOARD

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)	±15V
OVERLOAD CAPACITY (%F.S.)	1000
FREE AIR RESONANT FREQ. (HZ.)	3500
CROSSTALK (%F.S.)	5.0
NON-LINEARITY (%F.S.)	1.0
HYSTERESIS (%F.S.)	1.0
OPERATING TEMP. RANGE (°C)	-40 TO +100
COMPENSATED TEMP. RANGE (°C)	10 TO 70
MASS (KG)	9.9

SUNRISE INSTRUMENTS

www.srisensor.com

SIX AXIS CIRCULAR LOAD CELL
 D280MM F6KN

UNLESS OTHERWISE SPECIFIED
 DIMENSIONS ARE IN MM

M4347K3

REV.
 0.1