



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)	2500	2500	6250	400	400	400
OUTPUT @ F.S.(V)	2.0	2.0	2.0	2.0	2.0	2.0

DIFFERENTIAL OUTPUT, CENTERED AT 0V

LEM0 PIN ASSIGNMENT - TWISTED PAIR COLOR CODES

PIN #	FUNCTION	PIN #	FUNCTION	PIN #	FUNCTION
1	+FX WT(BN)	6	-FZ BN(BL)	10	-MY BN(RD)
2	-FX BN(WT)	7	+MX YL(BN)	11	+MZ WT(BK)
3	+FY OG(BN)	8	-MX BN(YL)	12	-MZ BK(WT)
4	-FY BN(OG)	9	+MY RD(BN)	17	-V BK(OG)
5	+FZ BL(BN)	18	+V OG(BK) & BL(BK) & BK(BL)		
19	GND RD(BK)&BK(RD)&YL(BK)&BK(YL)		SHIELD TO CONNECTOR SHELL		

WT=WHITE, BN=BROWN, OG=ORANGE, BL=BLUE, YL=YELLOW, RD=RED, BK=BLACK

SPECIFICATIONS

POWER SUPPLY (V)	$\pm 6.9V$
OVERLOAD CAPACITY (%F.S.)	1000
LOWEST FREE AIR RESONANT FREQ. (HZ.)	1400
CROSSTALK - NO ADJUSTMENT (%F.S.)	5
CROSSTALK - WITH ADJUSTMENT (%F.S.)	2
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)	5.0

SUNRISE INSTRUMENTS

www.srisensor.com

SIX AXIS LOADCELL WITH OL STOPS & AMP
D168MM F2500N, IP65

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN MM

M3325C4

REV.
B