



POSITIVE OUTPUT WHEN THE LOAD IS APPLIED TO THE TOOL SIDE
PER COORDINATE SYSTEM AS SHOWN

THE OUTPUTS ARE NOT STRUCTURALLY DECOUPLED
A 6X6 DECOUPLED MATRIX IS PROVIDED TO OBTAIN EACH COMPONENT

M3715CT1 HAS INTERNAL AMPLIFIER AND DATA ACQUISITION SYSTEM.
THE SENSOR DIRECTLY COMMUNICATES WITH CONTROLLER
VIA ETHERNET AND RS232

	Fx	Fy	Fz	Mx	My	Mz
CAPACITY (N/Nm)	1600	1600	3200	112	112	112
BRIDGE RES. (Ω)	700	700	700	700	700	700

CONNECTOR PIN ASSIGNMENT

PIN #	FUNCTION	PIN #	FUNCTION
1	+VIN	5	RDP
2	GND	6	RDN
3	TDP	7	RX
4	TDN	8	TX

SPECIFICATIONS

EXCITATION MAX. (V)	+24V
OVERLOAD CAPACITY (%F.S.)	300
FREE AIR RESONANT FREQ. (HZ.)	4500
CROSSTALK (%F.S.)	2.5
NON-LINEARITY (%F.S.)	0.5
HYSTERESIS (%F.S.)	0.5
OPERATING TEMP. RANGE (°C)	-40 TO +100
COMPENSATED TEMP. RANGE (°C)	10 TO 70
MASS (KG)	1.0

SUNRISE INSTRUMENTS

www.srisensor.com

SIX AXIS CIRCULAR LOAD CELL, COUPLED
D90MM F1600N, DIGITAL OUTPUT

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN MM

M3715CT1

REV.
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