



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

M3716CR HAS INTERNAL AMPLIFIER AND DATA ACQUISITION SYSTEM.
THE SENSOR DIRECTLY COMMUNICATES WITH MOTOMAN DX200 VIA UDP

THE DIGITAL INPUTS FROM DISPLACEMENT SENSOR AND CRASH PROTECTION SENSOR CAN ALSO BE WIRED TO M3716CR SUCH THAT THERE IS ONLY ONE 8-WIRE ETHERNET CABLE EXITED FROM THE SENSOR

SPECIFICATIONS

EXCITATION MAX. (V)	5
OVERLOAD CAPACITY (%F.S.)	300
FREE AIR RESONANT FREQ. (HZ.)	4600
CROSTALK (%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
DI35MM F1600N, DIGITAL OUTPUT

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM	M3716CR	REV. B
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	F _x	F _y	F _z	M _x	M _y	M _z
CAPACITY (N/Nm)	1600	1600	3200	160	160	160
OUTPUT (mV/V)	COUPLED					
BRIDGE RES. (Ω)	350	350	350	350	350	350