



NOTE: THE OVERLOAD CAPACITIES FOR BENDING MOMENT, AXIAL AND RADIAL FORCE EXCEED 150% OF THOSE USED FOR CROSSTALK MEASUREMENT

FOR HD CSG-14-XXX-2A-R-BB-LW

DRAWING IN THIRD ANGLE PROJECTION

ATTENTION: RED WIRE MUST BE CONNECTED TO POSITIVE SUPPLY VOLTAGE AND BLACK TO GROUND. OTHERWISE CIRCUIT MAY GET DAMAGED!

* WHEN PWR SUPPLY IS 4.5V, OUTPUT WILL BE $2.25 \pm 1.75V$

WIRING CODE

COLOR	FUNCTION
RED	+EX
GREEN	+SIG
BLACK	GND
BROWN	-SIG

SPECIFICATIONS

CAPACITY (Nm)	40
OVERLOAD CAPACITY (%F.S.)	250
DIFFERENTIAL OUTPUT @ F.S. NOMINAL V	2.5 ± 2 *
POWER SUPPLY (V)	4.5 TO 5V
BRIDGE RESISTANCE (Ω) NOMINAL	350
NON-LINEARITY (%F.S.)	0.5
HYSTERESIS (%F.S.)	1.0
OPERATING TEMP. RANGE ($^{\circ}C$)	-20 TO +100
CROSSTALK (%F.S.)	1.0
AXIAL FORCE FOR CROSSTALK (N)	200
RADIAL FORCE FOR CROSSTALK (N)	200
BENDING MOMENT FOR CROSSTALK (Nm)	8
TORSION ANGLE (CALCULATED)	0.06°
TORSIONAL STIFFNESS (KNm/RAD)	38
BENDING STIFFNESS (KNm/RAD)	6
MASS (KG)	0.06

SUNRISE INSTRUMENTS

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ROBOT JOINT TORQUE LOADCELL
D46MM, 40 Nm, FOR HD CSG-14

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN MM

M2212P2

REV.
0.2