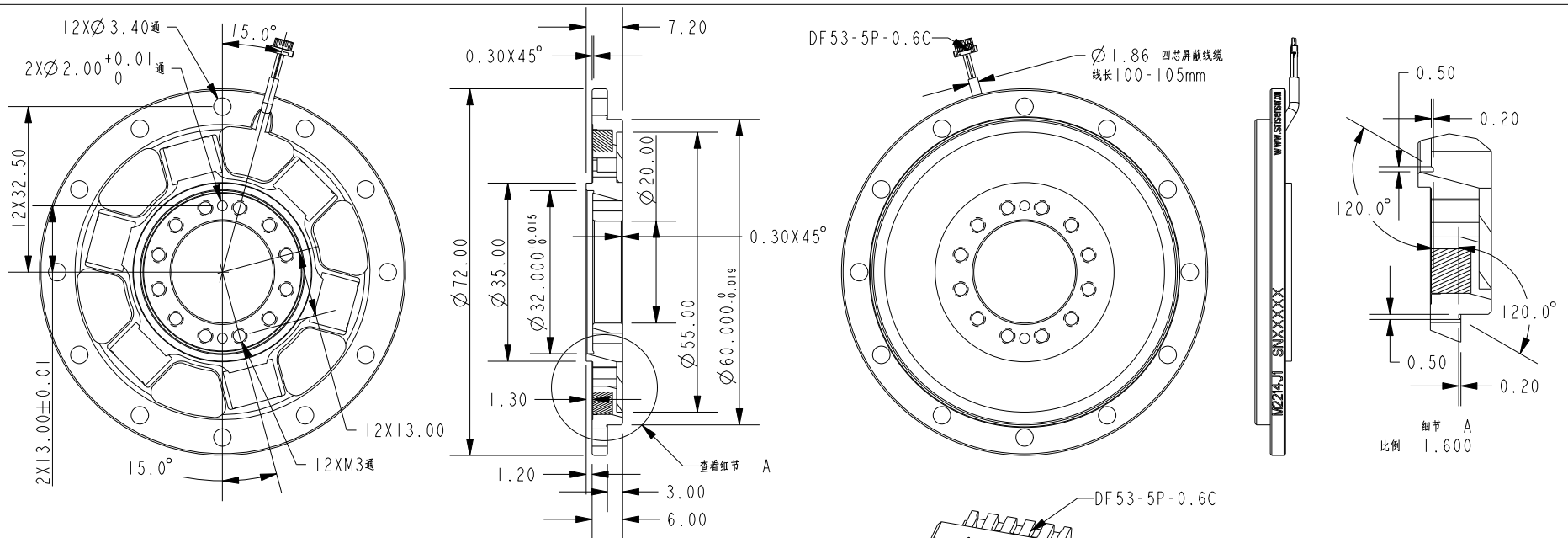




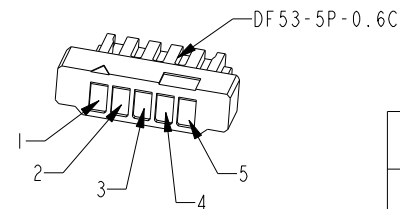
NOTE: THE OVERLOAD CAPACITIES FOR BENDING MOMENT, AXIAL AND RADIAL FORCE EXCEED 300% OF THOSE USED FOR CROSSTALK MEASUREMENT

SPECIFICATIONS

CAPACITY (Nm)	150
OVERLOAD CAPACITY (%F.S.)	250
OUTPUT @ F.S. (mv/V)	1.23 $\pm$ 0.2
POWER SUPPLY (V)	3.5-12
BRIDGE RESISTANCE (Ω) NOMINAL	1050
NON-LINEARITY (%F.S.)	0.5
HYSTERESIS (%F.S.)	1.0
OPERATING TEMP. RANGE (°C)	-20 TO +85
CROSSTALK (%F.S.)	1.0
AXIAL FORCE FOR CROSSTALK (N)	300
RADIAL FORCE FOR CROSSTALK (N)	600
BENDING MOMENT FOR CROSSTALK (Nm)	30
BENDING STIFFNESS (KNm/RAD)	43
TORSION ANGLE (CALCULATED)	0.04°
TORSIONAL STIFFNESS (KNm/RAD)	215
MASS (KG)	0.1

TEMPERATURE DRIFT: 0.5% FS PER 10 °C
 FREE AIR RESONANT FREQUENCY: > 1000 HZ
 ZERO SHIFT < 5% FS
 1,000,000 CYCLES, MZ $\pm$ 120NM PEAK, 2Hz
 FATIGUE LIFE AFTER ZERO ADJUSTMENT
 5,000,000 CYCLES, MZ $\pm$ 120NM PEAK, 2Hz
 5,000,000 CYCLES, FZ 100N PEAK, 2Hz

DRAWING IN THIRD ANGLE PROJECTION



WIRING CODE

PIN #	COLOR	FUNCTION
1	RED	+EX
2	GREEN	+SIG
3	WHITE	-SIG
4	BLACK	GND
5		SHIELDING WIRE

SUNRISE INSTRUMENTS

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ROBOT JOINT TORQUE LOADCELL
 D72MM, 150 Nm

UNLESS OTHERWISE SPECIFIED
 DIMENSIONS ARE IN MM

M2214J1

REV.
 0.1