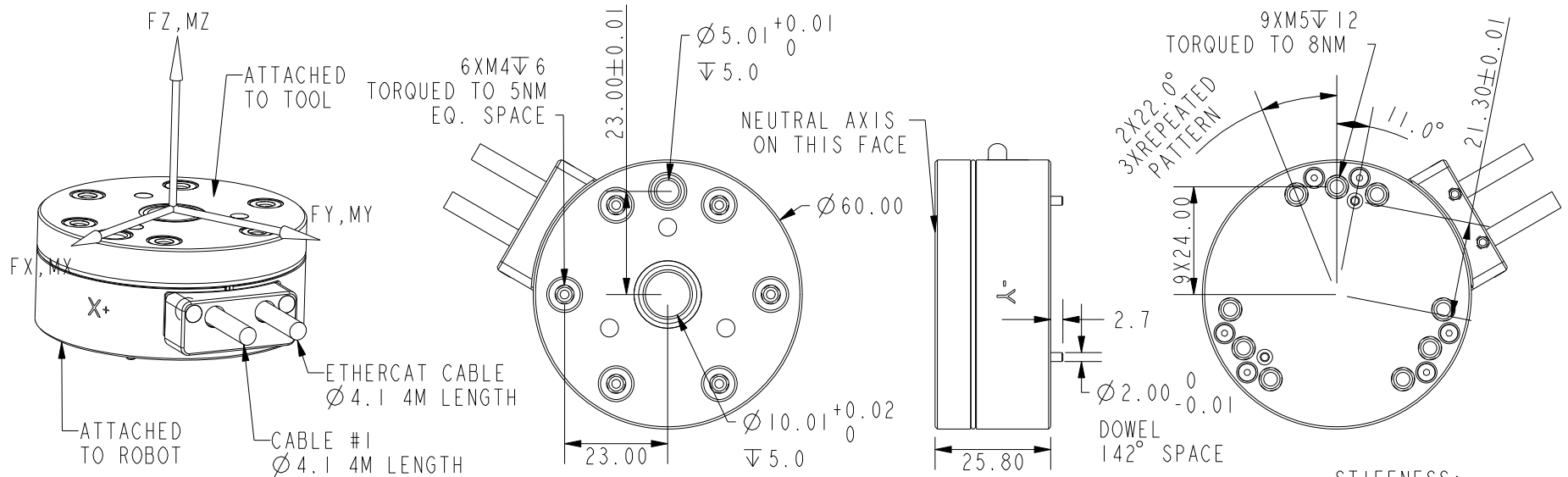




TO OBTAIN ACCURATE OUTPUT, BOTH SIDES OF THE SENSOR MUST BE MOUNTED WITH A METAL PLATE WITH MIN. 8MM THICK

IP PROTECTION: IP60

SUFFICIENT DYNAMIC RANGE FOR ZERO OFFSET UP TO 120% F.S.

PATENT NO.: 202322769210.4

STIFFNESS:

FX: 8.0E+07 N/m

FY: 6.0E+07 N/m

FZ: 1.6E+08 N/m

MX: 3.6E+04 Nm/rad

MY: 2.3E+04 Nm/rad

MZ: 3.3E+04 Nm/rad

ETHERCAT CABLE

COLOR	FUNCTION	REMARK
ORANGE	TXPB	ETHERCAT OUT
BLACK	TXNB	
GRAY	RXPB	
BROWN	RXNB	
BLUE	TXPA	ETHERCAT IN
WHITE	TXNA	
YELLOW	RXPA	
GREEN	RXNA	
SHIELD	SHIELD	SHIELD

CABLE #1

COLOR	FUNCTION
ORANGE	+24V(DC)
BLACK	GND
GRAY	RX
BROWN	TX
SHIELD	SHIELD

SPECIFICATIONS

POWER SUPPLY (V)	+24
OVERALL ACCURACY (%F.S.)	1.5
OPERATING TEMP. RANGE (°C)	-20 TO +90
DIGITAL OUTPUT	ETHERCAT
SAMPLING RATE (Hz)	2000
FREE AIR RESONANT FREQ. (Hz)	1060
MASS (NOT INCLUDING CABLE)	125±10g

SUNRISE INSTRUMENTS

www.srisensor.com

SIX AXIS CIRCULAR LOAD CELL
D60MM, F300N, ETHERCAT OUTPUT

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN MM

M43I3SIC6A

REV.
A

	Fx	Fy	Fz	Mx	My	Mz
CAPACITY	300N	300N	300N	60Nm	60Nm	60Nm
OVERLOAD CAPACITY	1500N	1500N	1500N	120Nm	120Nm	120Nm
PEAK-TO-PEAK NOISE = 6.6 X RMS NOISE (EFFECTIVE RESOLUTION) NOISE IS MEASURED AT SAMPLING RATE 2000HZ						
PEAK-TO-PEAK NOISE	0.8N	0.7N	0.8N	0.015Nm	0.015Nm	0.016Nm
EFFECTIVE RESOLUTION	0.12N	0.11N	0.12N	0.002Nm	0.002Nm	0.002Nm