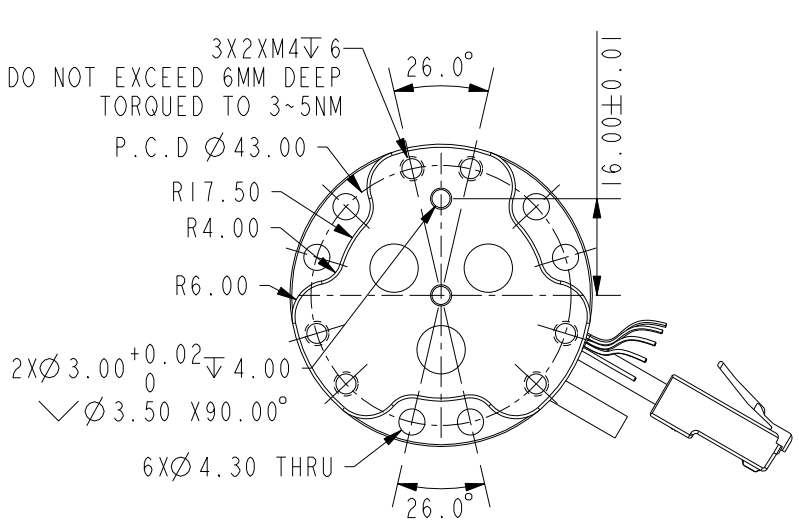
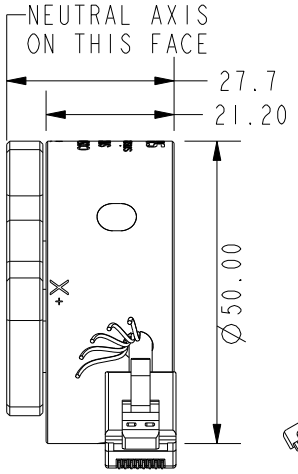
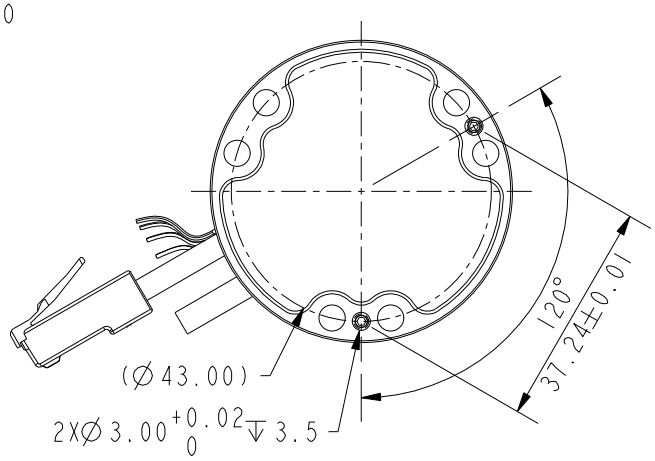
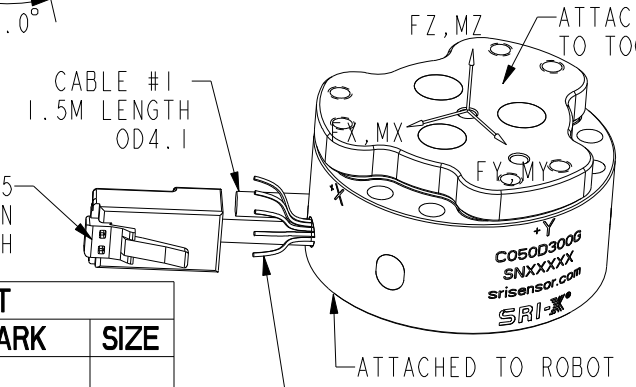








5 P WIRE ASSIGNMENT			
COLOR	FUNCTION	REMARK	SIZE
ORANGE&WHITE	TXPB	ETHERCAT OUT	26 AWG
ORANGE	TXNB		
GREEN&WHITE	RXPB		
GREEN	RXNB		
BLUE&WHITE	SHIELD	SHIELD TO SENSOR	

RJ45 CONNECTOR ASSIGNMENT			
COLOR	FUNCTION	REMARK	SIZE
ORANGE&WHITE	TXPA	ETHERCAT IN	34 AWG
ORANGE	TXNA		
GREEN&WHITE	RXPA		
GREEN	RXNA		
SHIELD TO SENSOR			

CABLE #1		
COLOR	FUNCTION	SIZE
ORANGE	12±1VDC	30 AWG
BLACK	GND	
GRAY	RS232_RX	
BROWN	RS232_TX	
/	SHIELD TO SENSOR	

SPECIFICATIONS		
POWER SUPPLY		12±1VDC
POWER CONSUMPTION (W)		3
INSULATION RESISTANCE		≥5000MΩ
SAMPLING RATE (Hz)		2000
CROSSTALK (%F.S.)		2.5
NON-LINEARITY (%F.S.)		0.5
HYSTERESIS (%F.S.)		0.5
OPERATING TEMP. RANGE (°C)		-40 TO +90
COMPENSATED TEMP. RANGE (°C)		10 TO 70
CAPACITY	Fx=Fy=Fz	300N
	Mx=My=Mz	30Nm
OVERLOAD CAPACITY (%F.S.)		250
IP PROTECTION		IP60
MATERIAL		STEEL
MASS (KG) NOT INCLUDING ADAPTOR		0.225

PEAK-TO-PEAK NOISE = 6.6 X RMS NOISE (EFFECTIVE RESOLUTION)
NOISE IS MEASURED AT SAMPLING RATE 2000HZ

PEAK-TO-PEAK NOISE	1.1N	1.4N	0.7N	0.015Nm	0.015Nm	0.03Nm
EFFECTIVE RESOLUTION	0.17N	0.21N	0.11N	0.002Nm	0.002Nm	0.004Nm

SUNRISE INSTRUMENTS

www.srisensor.com

SIX AXIS CIRCULAR LOAD CELL
D50MM F300N, ETHERCAT,DC DC CONVERTER

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM	C050D300G	REV. 0.3