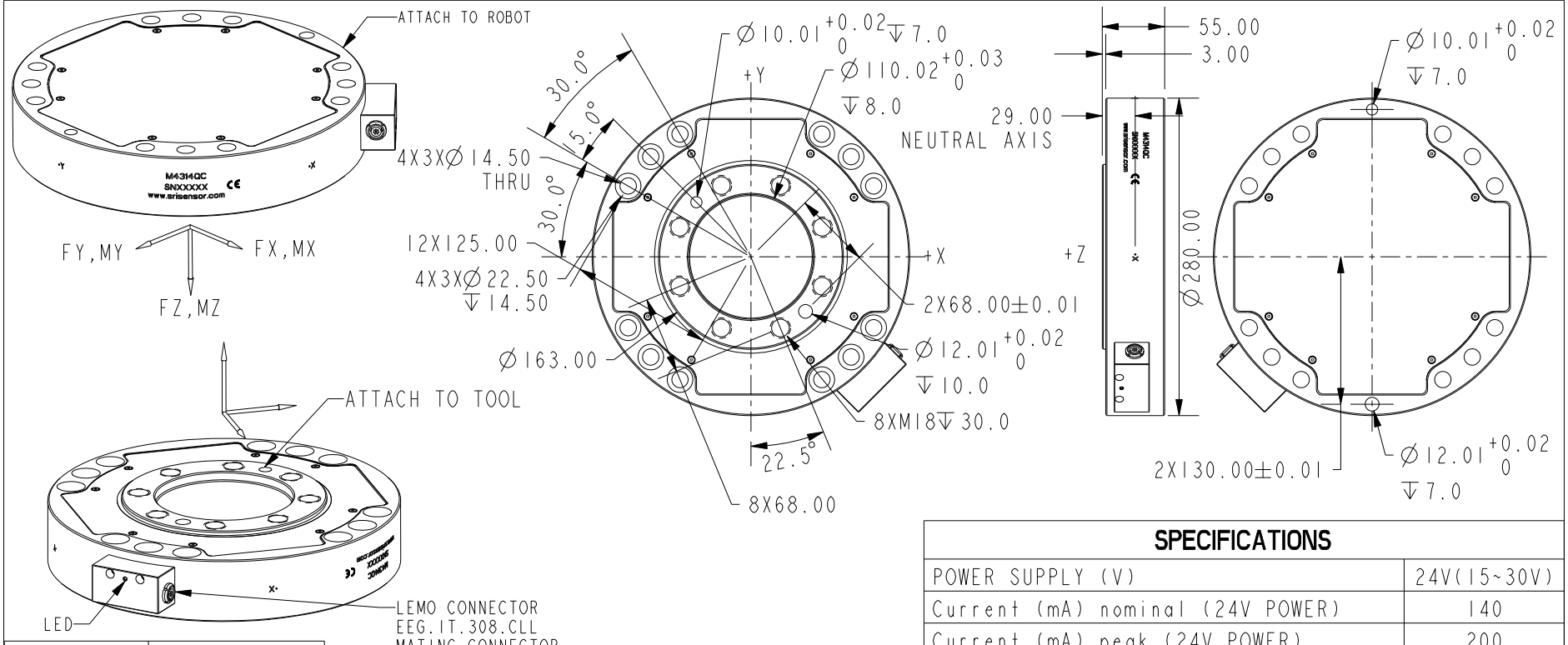


LED Status	Sensor Status
off	power off
fliker	work properly
on	abnormal

THE OUTPUT IS POSITIVE WHEN THE LOAD IS APPLIED TO THE TOOL SIDE
PER COORDINATE AS SHOWN. ALL CHANNELS ARE STRUCTURALLY DECOUPLED
EMBEDDED AMPLIFIER INLCUDED.

	Fx	Fy	Fz	Mx	My	Mz
CAPACITY (N/Nm)	35KN	35KN	35KN	15KNm	15KNm	15KNm
OUTPUT	ETHERCAT					
RESOLUTION (N/Nm)	3.5	3.5	5.0	0.55	0.55	0.8

RESOLUTION IS DEFINED WITH VISIBLE CHANGE WHEN MINIMUM LOAD IS QUICKLY APPLIED OR REMOVED AT 200 HZ SAMPLING RATE

CONNECTOR PIN ASSIGNMENT

PIN # / COLOR	FUNCTION	PIN # / COLOR	FUNCTION
1 BLUE	+24V	5 WHITE/GREEN	RDP
2 WHITE/BLUE	GND	6 GREEN	RDN
3 WHITE/ORANGE	TDP	7 WHITE/BROWN	RX
4 ORANGE	TDN	8 BROWN	TX

SPECIFICATIONS

POWER SUPPLY (V)	24V(15~30V)
Current (mA) nominal (24V POWER)	140
Current (mA) peak (24V POWER)	200
OVERLOAD CAPACITY (%F.S.)	250
LOWEST FREE AIR RESONANT FREQ. (HZ.)	1400
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
MASS (KG)	16.2

SUNRISE INSTRUMENTS

www.srisensor.com

SIX AXIS CIRCULAR LOAD CELL
D280MM F35KN

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM	M4314QC	REV. A