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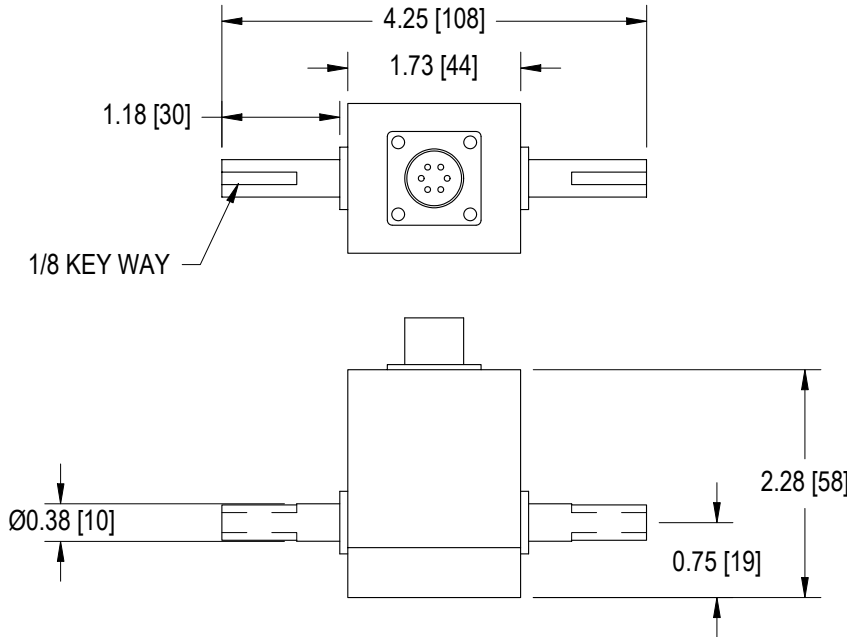
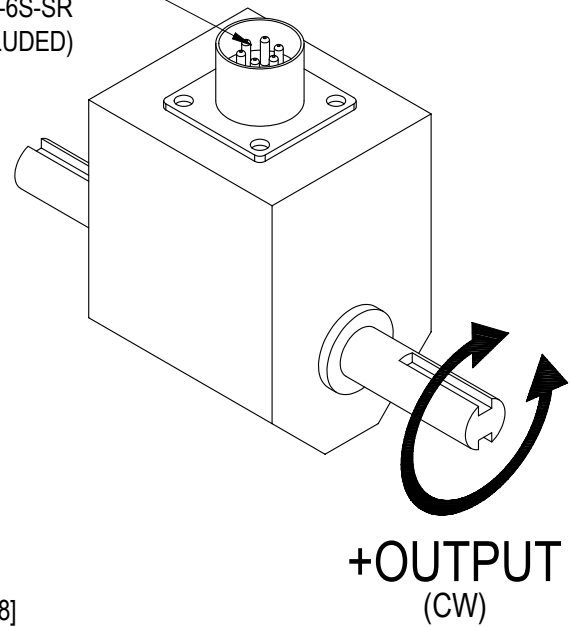
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FUTEK MODEL QTA106 Shaft to Shaft Rotary Torque Sensor

STOCK NUMBER: QSH00270

INCH [mm]		R.O.= Rated Output	
WIRING CODE (CC1)			
+Excitation	-Excitation	+Signal	-Signal
RED PIN 'A'	BLACK PIN 'B'	GREEN PIN 'C'	WHITE PIN 'D'
+Sense	-Sense		
ORANGE PIN 'E'	BLUE PIN 'F'		

BENDIX RECEPTACLE
PT02A-10-6P
MATING CONNECTOR
PT06A-10-6S-SR
(NOT INCLUDED)



SPECIFICATIONS:

RATED OUTPUT	2 mV/V nom.
CAPACITY	100 in-lb
SAFE OVERLOAD	150% of R.O.
ZERO BALANCE	±0.2% of R.O.
EXCITATION (VDC OR VAC)	12 MAX
BRIDGE RESISTANCE	350 Ω nom.
NONLINEARITY	±0.2% of R.O.
HYSTERESIS	±0.1% of R.O.
NONREPEATABILITY	±0.1% of R.O.
TEMP. SHIFT ZERO	±0.01% of R.O./°F (0.018% of R.O./°C)
TEMP. SHIFT SPAN	±0.01% of LOAD/°F (0.018% of LOAD/°C)
COMPENSATED TEMP.	68 to 113°F (20 to 45°C)
OPERATING TEMP.	14 to 194°F (-10 to 90°C)
WEIGHT	0.5 kg
MATERIAL	17-4PH S.S. Equivalent
CONNECTOR:	6 Pin BENDIX Receptacle (PT02A-10-6P)

MATERIAL:

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HEAT TREATMENT - FINISH:

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REVISIONS: (Refer to dwg # revision sheet)

▲ XXX

OUTLINE DRAWING

STANDARD NOTES: (Unless Otherwise Specified)

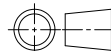
- ALL DIMENSIONS ARE IN INCHES
- DRAWING INTERPRETATION DIMS. PER ASME-Y14.5M
- REMOVE BURRS AND BREAK SHARP EDGES .005 - .015
- THREADS PER HANDBOOK H-28
- DIMENSIONS ARE SHOWN AFTER PLATING

ANGLE:
±1/2°

CHAMFER:
±5°

TOLERANCE:
.XX ±.01
.XXX ±.005

3rd ANGLE PROJ.



FUTEK

CAGE: 1X8M6

MODEL: QTA106

DRAWN BY: R. WALKER

APPROVED BY: XXXXX

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DWG No.: FO1032

CHECKED BY: J. VARGAS

DATE: Feb 5, 2004