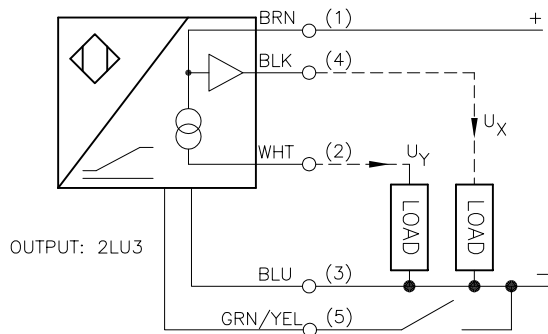
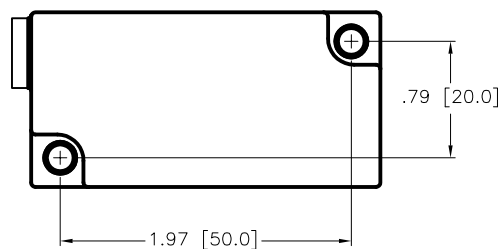


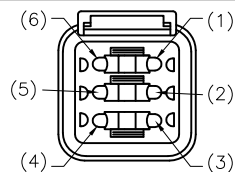
WIRING DIAGRAM



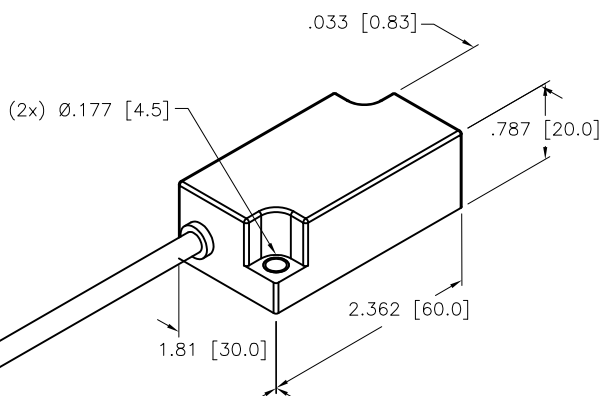
MOUNTING HOLES



CONNECTOR VIEW

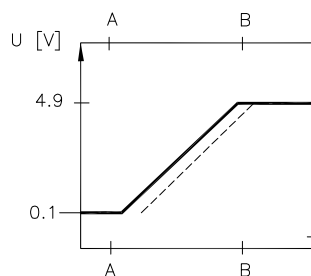


PIN 1 = BROWN
PIN 2 = WHITE
PIN 3 = BLUE
PIN 4 = BLACK
PIN 5 = GREEN/YELLOW
PIN 6 = N/C (PLUG)



0.15 METERS

MEASURING RANGE



SPECIFICATIONS

MEASURING RANGE [A-B]	-850/+850
TEMPERATURE DRIFT	≤ ±0.025%/K
TEMPERATURE COEFFICIENT	0.03°/K
MIN. REPEAT ACCURACY	≤ 0.2% ≤ 0.1%, AFTER A WARM UP TIME OF 0.5 HOURS
AMBIENT TEMPERATURE	-30°C to +70°C (-22°F to +158°F)
OPERATING VOLTAGE	10-30 VDC
NO-LOAD CURRENT	≤ 20 mA
RATED INSULATION VOLTAGE	≤ 0.5 kV
WIRE BREAKAGE PROTECTION	INCORPORATED
REVERSE POLARITY PROTECTION	INCORPORATED
OVERVOLTAGE PROTECTION	-48 to 48 VDC [Ub MAX]
OUTPUT FUNCTION	4-WIRE, ANALOG
VOLTAGE OUTPUT	0.1 to 4.9 V
VOLTAGE OUTPUT	SHORT-CIRCUIT PROOF Ub (=10-30 VDC)
OUTPUT RECOVERY TIME	≤ 12 ms
REACTION TIME	0.05 to 0.1 SECONDS (TIME FOR THE OUTPUT SIGNAL TO ACHIEVE 90% OF FULL SCALE IF THE ANGLE CHANGES FROM -85°C TO +85°C)
HOUSING MATERIAL	PLASTIC, PBT-GF20-VO
CONNECTION	CABLE
VIBRATION RESISTANCE	55 Hz (IN ALL 3 PLANES)
SHOCK RESISTANCE	30 g, 11 ms
DEGREE OF PROTECTION	IP67

CABLE LENGTH	TOLERANCE*
ALL LENGTHS	+ 4% (OR 50mm) OF LENGTH - 0% (OR 0mm) OF LENGTH WHICHEVER IS GREATER
STRIP LENGTH	TOLERANCE*
0-7mm	±0.5mm
8-29mm	±1.0mm
30-49mm	±2.0mm
50-69mm	±3.0mm
70-100mm	±4.0mm
OVER 100mm	±5.0mm

* UNLESS OTHERWISE SPECIFIED

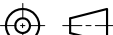
SOURCE DRAWING - FOR REFERENCE ONLY

NOTES:

1. "/CS12440" DESIGNATES 6-PIN DEUTSCH CONNECTOR WITH CABLE LENGTH OF 0.15 METERS TO END OF CONNECTOR. CUSTOM PINOUT.

DEUTSCH CONNECTOR: DT04-6P-CE02
LOCKING WEDGE: W6P

PIN 2 = "Y" AXIS
PIN 4 = "X" AXIS
PIN 5 = TEACH PIN

RELATED DOCUMENTS 1. 2. 3. 4.	3RD ANGLE PROJECTION	THIS DRAWING IS CONFIDENTIAL AND THE PROPERTY OF TURCK INC. USE OF THIS DOCUMENT WITHOUT WRITTEN PERMISSION IS PROHIBITED.		TURCK		3000 CAMPUS DRIVE MINNEAPOLIS, MN 55441 1-800-544-7769 (763) 553-7300 (763) 553-0708 fax www.turck.us	
							
MATERIAL	ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY	DRFT	RDS	DATE	07/07/09	DESCRIPTION B2N85H-Q20L60-2LU3/S97/CS12440	
SEE SPECIFICATIONS		APVD		SCALE	1=1.3		
FINISH		CONTACT TURCK FOR MORE INFORMATION	UNIT OF MEASUREMENT			IDENTIFICATION NO. 1534081	
SEE SPECIFICATIONS			INCH [MILLIMETER]				
		DO NOT SCALE THIS DRAWING			FILE: 1534081		
					SHEET 1 OF 1		

SHEET 1 OF 1