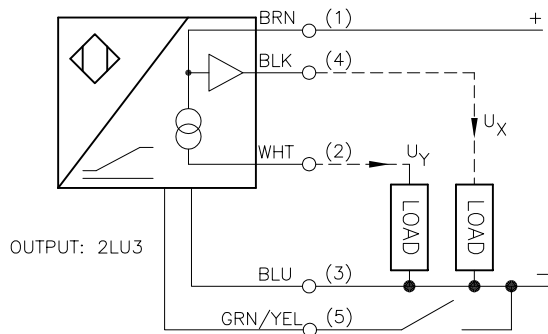
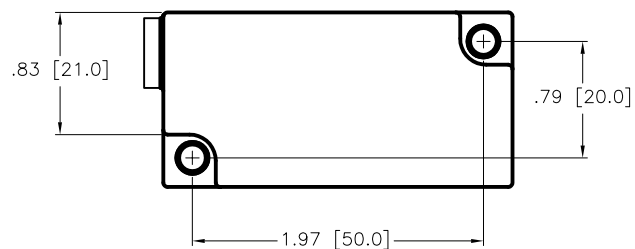


## WIRING DIAGRAM



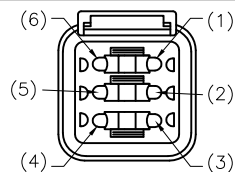
## MOUNTING HOLES



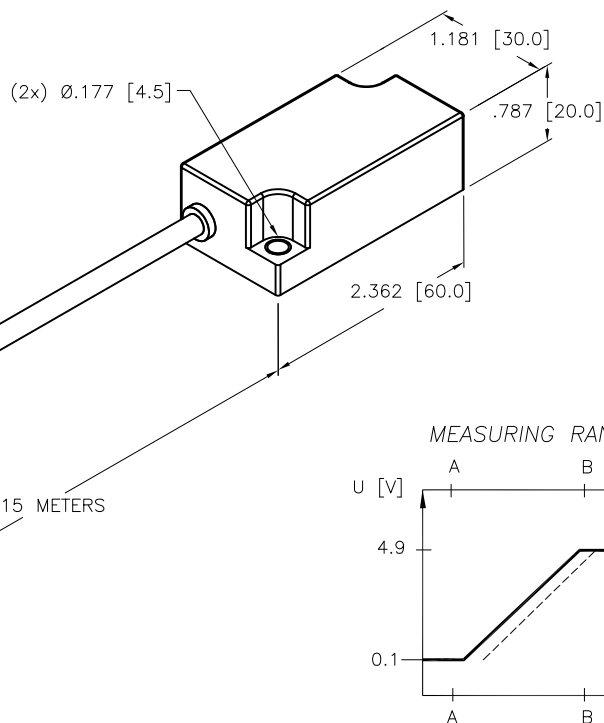
## SPECIFICATIONS

|                             |                                                                                                                        |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------|
| MEASURING RANGE [A-B]       | -60° to +60°                                                                                                           |
| TEMPERATURE DRIFT           | ≤ ±0.025%/K                                                                                                            |
| TEMPERATURE COEFFICIENT     | 0.03°/K                                                                                                                |
| MIN. REPEAT ACCURACY        | ≤ 0.2%<br>≤ 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 -60°C TO +60°C) |
| HOUSING MATERIAL            | PLASTIC, PBT-GF20-V0                                                                                                   |
| CONNECTION                  | CABLE                                                                                                                  |
| VIBRATION RESISTANCE        | 55 Hz (IN ALL 3 PLANES)                                                                                                |
| SHOCK RESISTANCE            | 30 g, 11 ms                                                                                                            |
| DEGREE OF PROTECTION        | IP67                                                                                                                   |

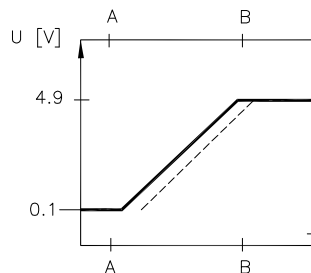
## CONNECTOR VIEW



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



## MEASURING RANGE



## NOTES:

1. "/CS13013" 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  
CONTACTS: 0460-202-16141  
BOOT: DT6P-BT-BK

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

SOURCE DRAWING - FOR REFERENCE ONLY

|                      |  |                                                                                 |  |                                                                                                                                       |  |                                                                                                                                      |  |
|----------------------|--|---------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------|--|
| RELATED DOCUMENTS    |  | 3RD ANGLE PROJECTION                                                            |  | <div>THIS DRAWING IS CONFIDENTIAL AND THE PROPERTY OF TURCK INC. USE OF THIS DOCUMENT WITHOUT WRITTEN PERMISSION IS PROHIBITED.</div> |  | <div>3000 CAMPUS DRIVE<br/>MINNEAPOLIS, MN 55441<br/>1-800-544-7769<br/>(763) 553-7300<br/>(763) 553-0708 fax<br/>www.turck.us</div> |  |
| 1.<br>2.<br>3.<br>4. |  |                                                                                 |  |                                                                                                                                       |  |                                                                                                                                      |  |
| MATERIAL             |  | DRFT RDS                                                                        |  | DATE 08/31/11                                                                                                                         |  | DESCRIPTION                                                                                                                          |  |
| SEE SPECIFICATIONS   |  | APVD                                                                            |  | SCALE 1=1.3                                                                                                                           |  | B2N60H-Q20L60-2LU3/S97/CS13013                                                                                                       |  |
| FINISH               |  | UNIT OF MEASUREMENT<br><br>INCH [ MILLIMETER ]<br><br>DO NOT SCALE THIS DRAWING |  | IDENTIFICATION NO.                                                                                                                    |  | REV                                                                                                                                  |  |
| SEE SPECIFICATIONS   |  |                                                                                 |  | 1534085                                                                                                                               |  | B                                                                                                                                    |  |
|                      |  |                                                                                 |  | FILE: 1534085                                                                                                                         |  | SHEET 1 OF 1                                                                                                                         |  |

|     |                                            |     |          |         |
|-----|--------------------------------------------|-----|----------|---------|
| B   | UPDATE ID NUMBER PER HARMONIZATION PROJECT | CBM | 11/06/17 |         |
| REV | DESCRIPTION                                | BY  | DATE     | ECO NO. |