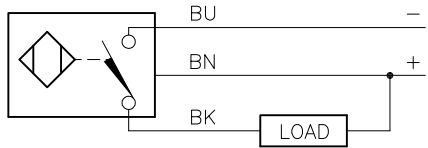
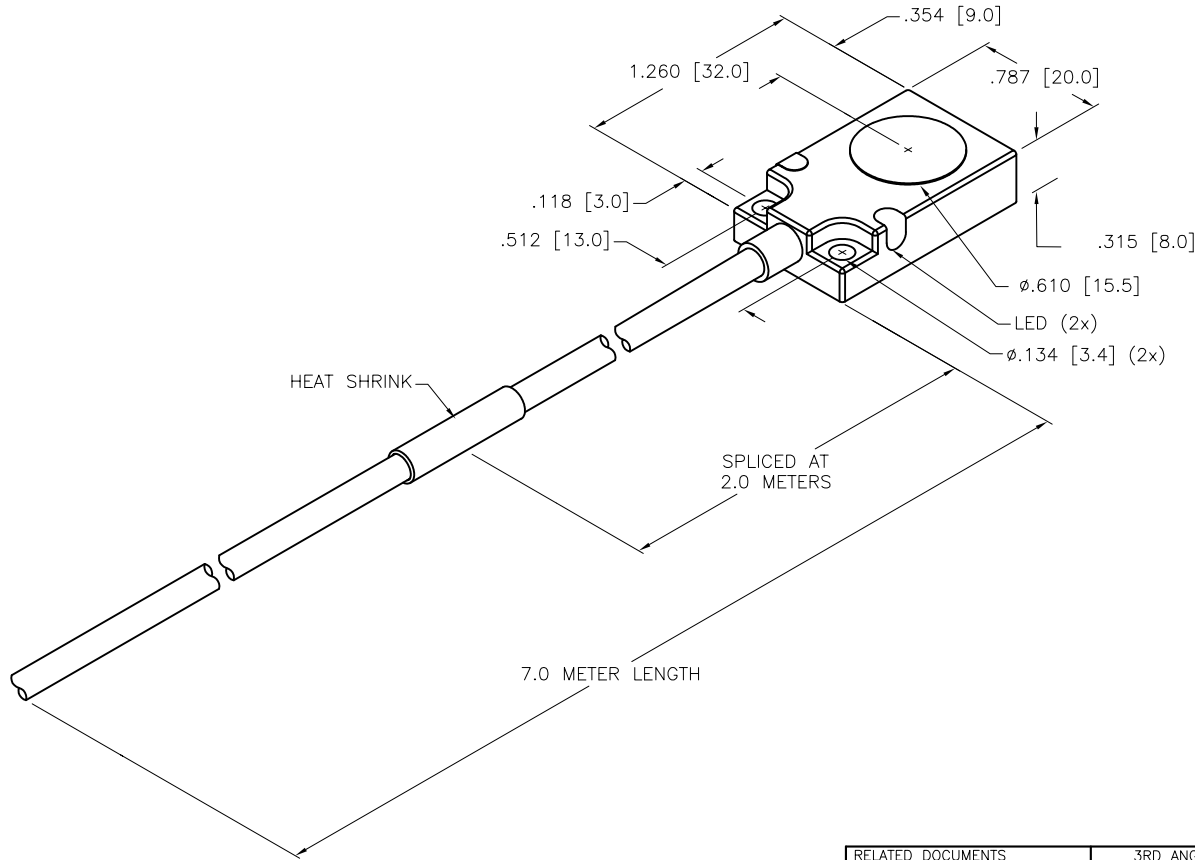


WIRING DIAGRAM



OUTPUT: AN6X2

SHORT-CIRCUIT AND OVERLOAD PROTECTED



SPECIFICATIONS

|                              |  |
|------------------------------|--|
| RATED OPERATING DISTANCE     | 5mm = .197"                                |
| MOUNTING MODE                | FLUSH                                      |
| TEMPERATURE DRIFT            | ≤±10%<br>≤±15%, ≤25°C v ≥ +70°C            |
| HYSTERESIS                   | 3-15%                                      |
| MIN. REPEAT ACCURACY         | ≤ 2%                                       |
| OPERATING TEMPERATURE        | -30°C to +85°C (-22°F to +185°F)           |
| RATED OPERATIONAL VOLTAGE    | 10-30 VDC                                  |
| RESIDUAL RIPPLE              | ≤10%                                       |
| DC RATED OPERATIONAL CURRENT | ≤ 200 mA                                   |
| NO-LOAD CURRENT              | ≤ 15 mA                                    |
| RESIDUAL CURRENT             | ≤ 0.1 mA                                   |
| RATED INSULATION VOLTAGE     | ≤ 0.5 kV                                   |
| SHORT-CIRCUIT PROTECTED      | YES  |
| MAX. VOLTAGE DROP            | ≤ 1.8 V                                    |
| REVERSE POLARITY PROTECTION  | INCORPORATED                               |
| WIRE-BREAK PROTECTION        | INCORPORATED                               |
| OUTPUT FUNCTION              | NORMALLY OPEN, 3-WIRE, NPN                 |
| MAX. SWITCHING FREQUENCY     | ≤ 0.25 kHz                                 |
| HOUSING MATERIAL             | METAL, GD-ZN, BLACK                        |
| ACTIVE FACE MATERIAL         | PLASTIC, LCP-GF30, YELLOW                  |
| CABLE                        | ∅3.8, PVC                                  |
| SHOCK                        | 30 g, 11 ms                                |
| VIBRATION                    | 55 Hz, 1 mm AMPLITUDE<br>(IN ALL 3 PLANES) |
| DEGREE OF PROTECTION         | IP67                                       |
| OPERATING VOLTAGE DISPLAY    | LED: GREEN                                 |
| SWITCHING STATUS INDICATION  | LED: YELLOW                                |

SOURCE DRAWING - FOR REFERENCE ONLY

|   |   |  |                       |   |   |
|---|---|--|-----------------------|---|---|
| RELATED DOCUMENTS<br>1.<br>2.<br>3.<br>4. | 3RD ANGLE PROJECTION<br>  | THIS DRAWING IS CONFIDENTIAL AND THE PROPERTY OF TURCK INC. USE OF THIS DOCUMENT WITHOUT WRITTEN PERMISSION IS PROHIBITED. |                       | 3000 CAMPUS DRIVE<br>MINNEAPOLIS, MN 55441<br>1-800-544-7769<br>(763) 553-7300<br>(763) 553-0708 fax<br>turck.com |   |
|   |   | MATERIAL<br>SEE SPECS  | DRFT RDS<br>APVD A.F. | DATE 09/30/11<br>SCALE 1=1.0  | DESCRIPTION<br>BI 5U-Q08-AN6X2 7M SPLICED |
| FINISH<br>SEE SPECS                       | ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY<br><br>CONTACT TURCK FOR MORE INFORMATION | UNIT OF MEASUREMENT<br><b>INCH [ MILLIMETER ]</b>  |                       | IDENTIFICATION NO.<br>S1608911-000  | REV<br>B                                  |
| DO NOT SCALE THIS DRAWING                 |   | FILE: S1608911-000   |                       | SHEET 1 OF 1  |   |

|     |                       |     |          |         |
|-----|-----------------------|-----|----------|---------|
| B   | UPDATE CABLE DIAMETER | KMY | 02/22/12 | 37068   |
| REV | DESCRIPTION           | BY  | DATE     | ECO NO. |