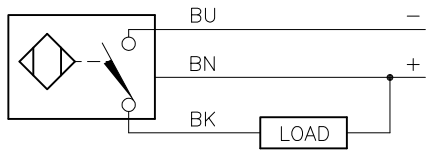
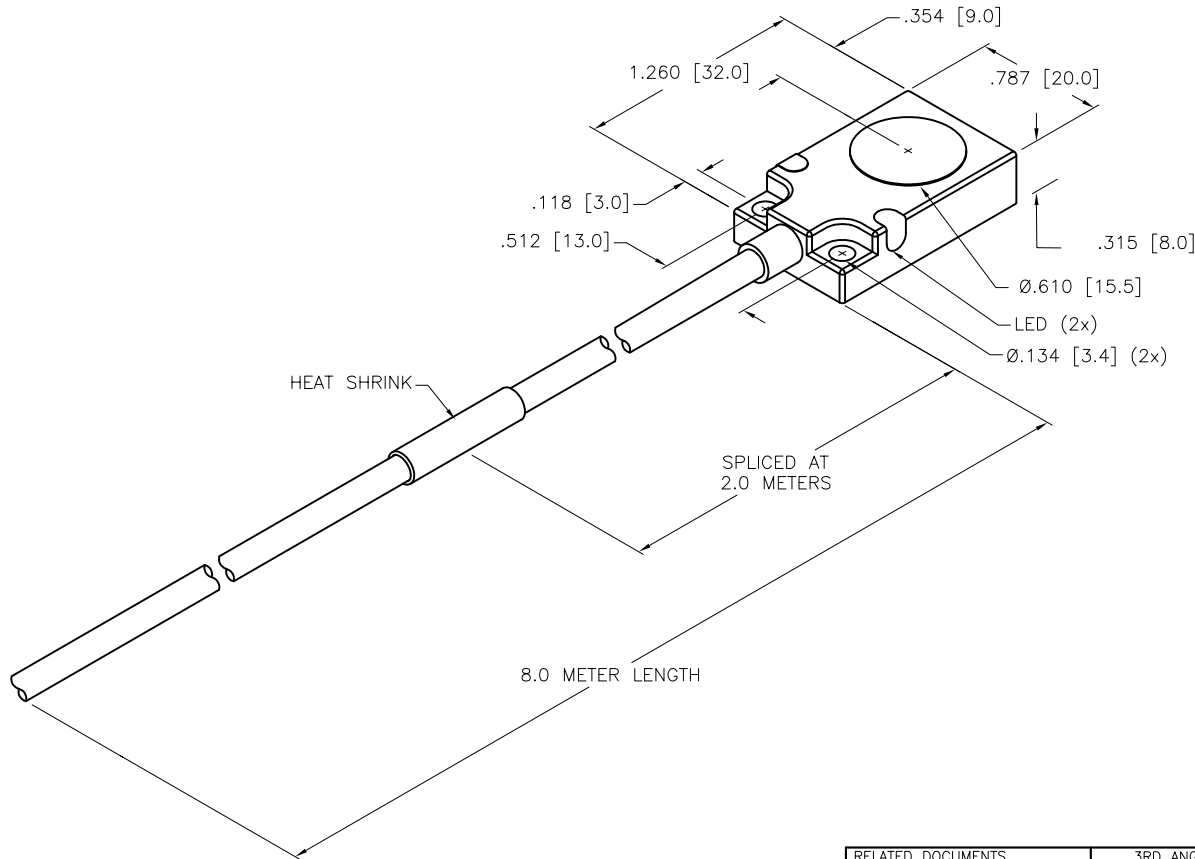


WIRING DIAGRAM



OUTPUT: AN6X2

SHORT-CIRCUIT AND OVERLOAD PROTECTED



SPECIFICATIONS

|                              |  |
|------------------------------|--|
| RATED OPERATING DISTANCE     | 8mm = .315"                                |
| 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         | IP68                                       |
| OPERATING VOLTAGE DISPLAY    | LED: GREEN                                 |
| SWITCHING STATUS INDICATION  | LED: YELLOW                                |

SOURCE DRAWING - FOR REFERENCE ONLY

|                                    |  |                           |   |  |      |  |          |
|------------------------------------|--|---------------------------|---|--|------|--|----------|
| RELATED DOCUMENTS                  |  | 3RD ANGLE PROJECTION      |   | THIS DRAWING IS CONFIDENTIAL AND THE PROPERTY OF TURCK INC. USE OF THIS DOCUMENT WITHOUT WRITTEN PERMISSION IS PROHIBITED. |      | <br>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 |          |
| 1.                                 |  |                           | ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY | DRFT   | RDS  | DATE   | 12/27/12 |
| 2.                                 |  |                           |   | APVD   | A.F. | SCALE  | 1=1.0    |
| 3.                                 |  | UNIT OF MEASUREMENT       |   |  |      | DESCRIPTION  |          |
| 4.                                 |  | INCH [ MILLIMETER ]       |   |  |      | B18U-Q08-AN6X2 8M SPLICED  |          |
| MATERIAL                           |  | SEE SPECS                 |   | IDENTIFICATION NO.   |      | REV  |          |
| FINISH                             |  | SEE SPECS                 |   | 16620070   |      | C  |          |
| CONTACT TURCK FOR MORE INFORMATION |  | DO NOT SCALE THIS DRAWING |   | FILE: 16620070   |      | SHEET 1 OF 1   |          |

|     |  |     |          |         |
|-----|--|-----|----------|---------|
| C   | UPDATE ID NUMBER PER HARMONIZATION PROJECT | CBM | 12/20/17 |         |
| REV | DESCRIPTION                                | BY  | DATE     | ECO NO. |