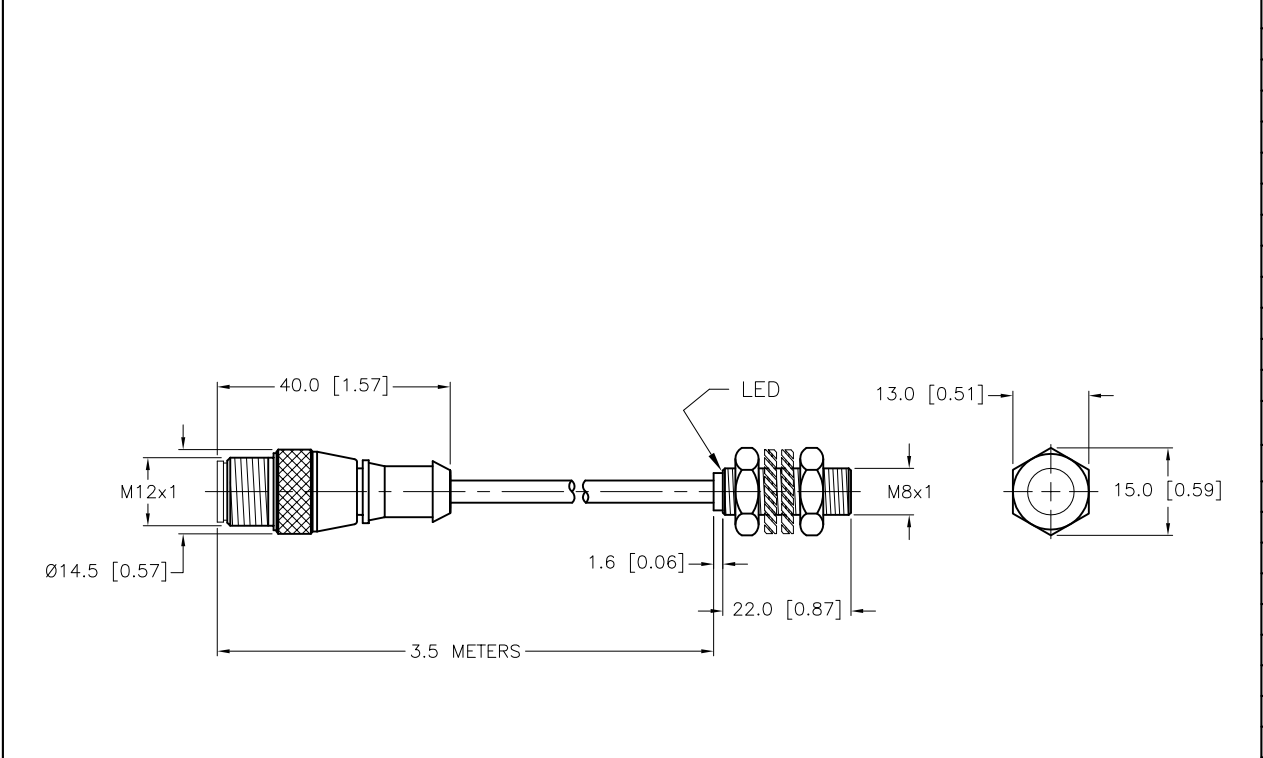


| SENSOR SPECIFICATIONS                   |  |
|---|--|
| OPERATING VOLTAGE                       | 10-30 VDC                                  |
| RIPPLE                                  | ≤ 10%                                      |
| DIFFERENTIAL TRAVEL (HYSTERESIS)        | 1-15% (5% TYPICAL)                         |
| VOLTAGE DROP ACROSS CONDUCTING SENSOR   | ≤ 1.8 V at 150 mA                          |
| OUTPUT FUNCTION                         | NORMALLY OPEN<br>3-WIRE DC SELF-CONTAINED  |
| TTL COMPATIBLE                          | NO   |
| SHORT-CIRCUIT PROTECTED                 | YES  |
| TRIGGER CURRENT FOR OVERLOAD PROTECTION | ≥ 170 mA                                   |
| CONTINUOUS LOAD CURRENT                 | ≤ 150 mA                                   |
| OFF-STATE (LEAKAGE) CURRENT             | < 100 μA                                   |
| NO-LOAD CURRENT                         | 1.0-9.5 mA                                 |
| TIME DELAY BEFORE AVAILABILITY          | ≤ 8 ms                                     |
| POWER-ON EFFECT                         | Per IEC 947-5-2                            |
| REVERSE POLARITY PROTECTION             | INCORPORATED                               |
| WIRE-BREAK PROTECTION                   | INCORPORATED                               |
| PROTECTION AGAINST TRANSIENTS           | EN 60947-5-2                               |
| OPERATING TEMPERATURE                   | -25°C to +70°C (-13°F to +158°F)           |
| ENCLOSURE                               | MEETS NEMA 1, 3, 4, 6, 13 AND IEC IP67     |
| SHOCK                                   | 30 g, 11 ms                                |
| VIBRATION                               | 55 Hz, 1 mm AMPLITUDE<br>(IN ALL 3 PLANES) |
| LED FUNCTION                            | YELLOW: OUTPUT ENERGIZED                   |
| RATED OPERATING DISTANCE(Sn)            | 1.5 mm = .059" (NOMINAL)                   |
| SWITCHING FREQUENCY                     | 3000 Hz                                    |
| REPEATABILITY                           | ≤ 2% of RATED OPERATING DISTANCE           |
| EMBEDDABLE (SHIELDED)                   | YES  |



| CABLE AND CONNECTOR SPECIFICATIONS |                                   |
|------------------------------------|-----------------------------------|
| CONTACT CARRIER MATERIAL           | PA 6 (NYLON)                      |
| CONTACT MATERIAL/PLATING           | BRASS/GOLD                        |
| COUPLING NUT MATERIAL/PLATING      | BRASS/NICKEL                      |
| RATED CURRENT [A]                  | 4.0 A                             |
| RATED VOLTAGE [V]                  | 250 VAC/300 VDC                   |
| OUTER JACKET MATERIAL/COLOR        | PVC, GRAY                         |
| CONDUCTOR INSULATION MATERIAL      | PVC                               |
| NUMBER OF CONDUCTORS [AWG]         | 4x22 AWG                          |
| TEMPERATURE RATING                 | -40°C to +105°C (-40°F to +221°F) |
| PROTECTION CLASS                   | MEETS NEMA 1,3,4,6P AND IEC IP68  |

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|  |  |   |  |  |  |  |  |
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| 1.<br>2.<br>3.<br>4.                         |  |   |  | DRFT CBM DATE 1/29/98  |  | DESCRIPTION<br>BI1.5-EG08K-AN6X-3.5M-RS4T  |  |
| MATERIAL                                     |  | ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY |  | APVD   |  | SCALE NONE   |  |
| FINISH                                       |  | CONTACT TURCK FOR MORE INFORMATION                              |  | UNIT OF MEASUREMENT<br><b>MILLIMETER [ INCH ]</b>  |  | IDENTIFICATION NO.<br>4669192  |  |
| D UPDATE ID NUMBER PER HARMONIZATION PROJECT |  | CBM 11/06/17  |  | DO NOT SCALE THIS DRAWING  |  | REV<br>D   |  |
| REV DESCRIPTION                              |  | BY DATE ECO NO.   |  | FILE: 4669192  |  | SHEET 1 OF 1   |  |