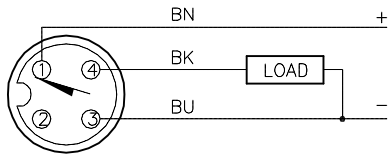


WIRING DIAGRAM

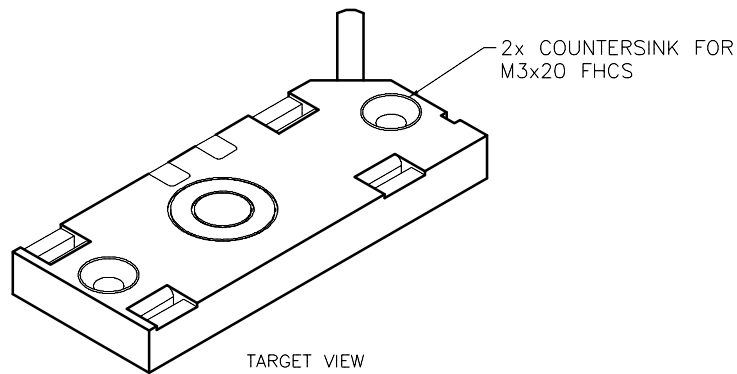
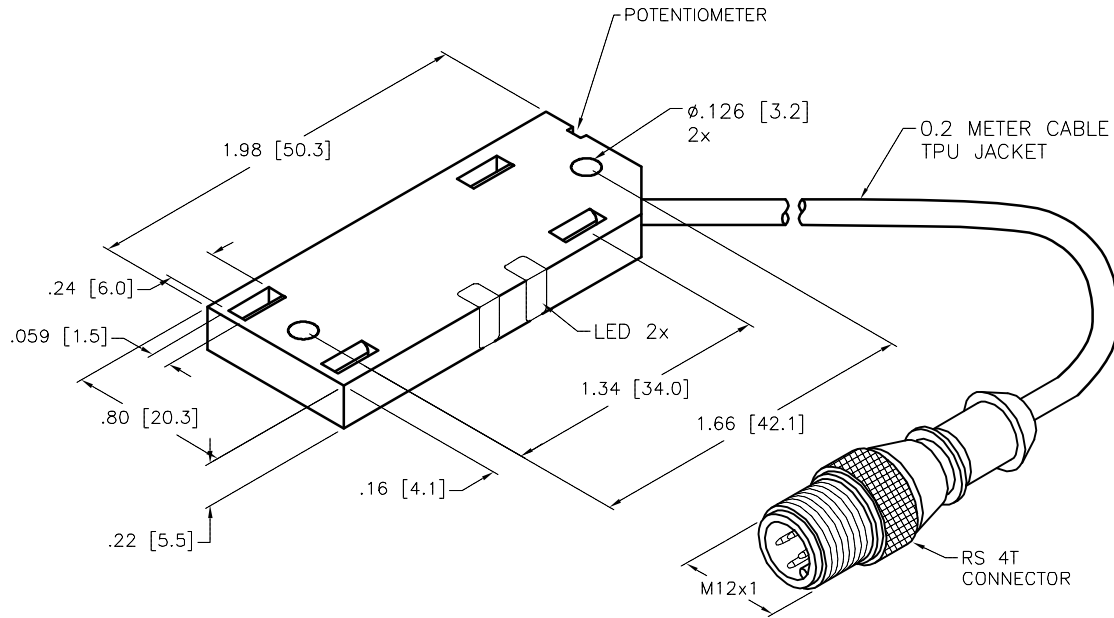


OUTPUT: AP6X2

SHORT-CIRCUIT AND OVERLOAD PROTECTED

SPECIFICATIONS

|   |   |
|---|---|
| OPERATING VOLTAGE                       | 10-30 VDC                                     |
| RIPPLE                                  | ≤10%  |
| DIFFERENTIAL TRAVEL (HYSTERESIS)        | 2-20% (5% TYPICAL)                            |
| VOLTAGE DROP ACROSS CONDUCTING SENSOR   | ≤1.8 V at 200 mA                              |
| OUTPUT FUNCTION                         | NORMALLY OPEN, PNP                            |
| TTL COMPATIBLE                          | NO  |
| SHORT-CIRCUIT PROTECTED                 | YES   |
| TRIGGER CURRENT FOR OVERLOAD PROTECTION | ≥ 220 mA                                      |
| CONTINUOUS LOAD CURRENT                 | ≤ 200 mA                                      |
| OFF-STATE (LEAKAGE) CURRENT             | <100 μA                                       |
| NO-LOAD CURRENT                         | ≤15 mA  |
| TIME DELAY BEFORE AVAILABILITY          | ≤ 8 ms  |
| POWER-ON EFFECT                         | Per IEC 947-5-2                               |
| REVERSE POLARITY PROTECTION             | YES   |
| WIRE BREAK PROTECTION                   | YES   |
| TRANSIENT PROTECTION                    | Per EN 60947-5-2                              |
| OPERATING TEMPERATURE                   | -25°C to +70°C (-13°F to +158°F)              |
| MAX RELATIVE TEMPERATURE DRIFT          | ≤ 20 %  |
| ENCLOSURE                               | MEETS NEMA 1, 3, 4, 6, 13 AND IEC IP67        |
| SHOCK                                   | 30 g, 11 ms                                   |
| VIBRATION                               | 55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)       |
| LED FUNCTION                            | YELLOW = OUTPUT ENERGIZED<br>GREEN = POWER ON |
| RATED OPERATING DISTANCE(Sn)            | 10 mm = .394" (ADJUSTABLE)                    |
| SWITCHING FREQUENCY                     | 100 Hz  |
| REPEATABILITY                           | ≤ 2% OF RATED OPERATING DISTANCE              |
| EMBEDDABLE (SHIELDED)                   | YES   |



SOURCE DRAWING - FOR REFERENCE ONLY

|  |   |  |                           |   |  |
|--|---|--|---------------------------|---|--|
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|  |   | MATERIAL<br>POLYPROPYLENE PLASTIC  | DRFT JBJ<br>DATE 09/10/02 | APVD<br>SCALE NONE  | DESCRIPTION<br>BC10-QF5.5-AP6X2-*M-RS 4T |
| FINISH   | 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>S2620197  | REV<br>C                                 |
| C UPDATE CABLE METER CALLOUT PER ECO<br>KMY 04/09/13 41855 | REV DESCRIPTION<br>BY DATE ECO NO.  | DO NOT SCALE THIS DRAWING  |                           | FILE: S2620197  | SHEET 1 OF 1                             |

|     |                                    |     |          |         |
|-----|------------------------------------|-----|----------|---------|
| C   | UPDATE CABLE METER CALLOUT PER ECO | KMY | 04/09/13 | 41855   |
| REV | DESCRIPTION                        | BY  | DATE     | ECO NO. |