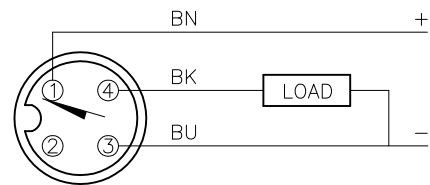
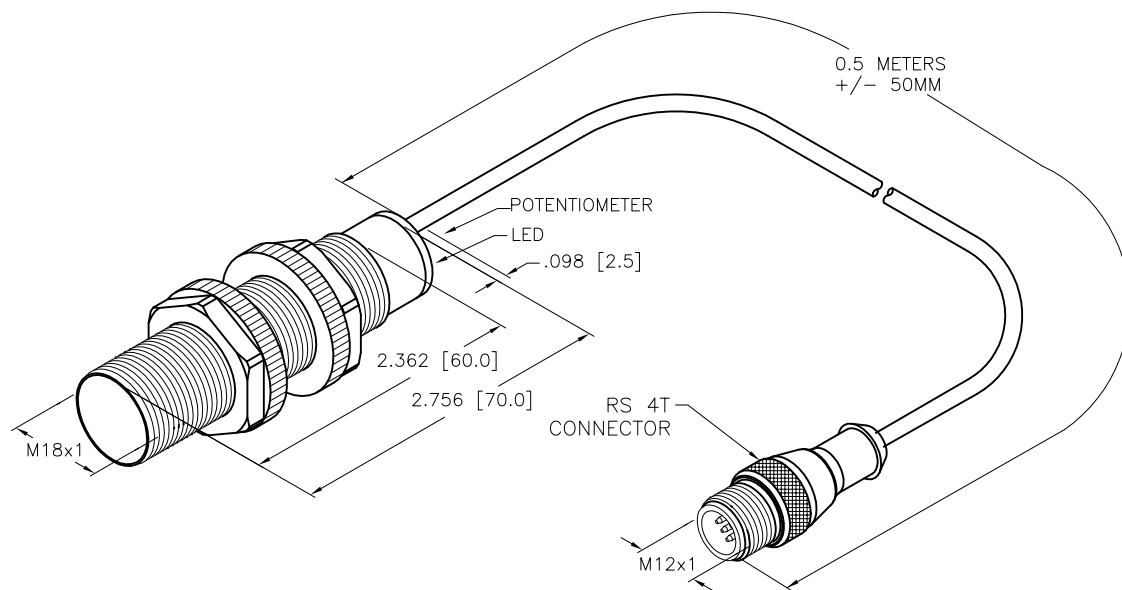


# WIRING DIAGRAM



OUTPUT: AP4X

SHORT-CIRCUIT AND OVERLOAD PROTECTED



# SPECIFICATIONS

|                              |                                  |
|------------------------------|----------------------------------|
| RATED OPERATING DISTANCE     | 5mm [.197]                       |
| HYSTERESIS                   | 2–20%                            |
| TEMPERATURE DRIFT            | ≤ ± 20%                          |
| MIN. REPEAT ACCURACY         | ≤ 2%                             |
| OPERATING TEMPERATURE        | –25°C to +70°C (–13°F to +158°F) |
| RATED OPERATIONAL VOLTAGE    | 10–65 VDC                        |
| MAX. RIPPLE                  | ≤ 10%                            |
| DC RATED OPERATIONAL CURRENT | ≤ 200 mA                         |
| NO-LOAD CURRENT              | ≤ 15 mA                          |
| RESIDUAL CURRENT             | ≤ 0.1 mA                         |
| MAX. SWITCHING FREQUENCY     | ≤ 0.1 kHz                        |
| RATED INSULATION VOLTAGE     | ≤ 0.5 kV                         |
| OUTPUT FUNCTION              | 3-WIRE, NORMALLY OPEN, PNP       |
| SHORT-CIRCUIT PROTECTION     | YES                              |
| MAX. VOLTAGE DROP            | ≤ 1.8 V                          |
| WIRE BREAKAGE PROTECTION     | INCORPORATED                     |
| REVERSE POLARITY PROTECTION  | INCORPORATED                     |
| HOUSING MATERIAL             | PLASTIC, PA12–GF20               |
| ACTIVE FACE MATERIAL         | PLASTIC, PA12–GF20               |
| CABLE                        | ø5.2, PVC                        |
| VIBRATION RESISTANCE         | 55 Hz (IN ALL 3 PLANES)          |
| SHOCK RESISTANCE             | 30 g, 11 ms                      |
| DEGREE OF PROTECTION         | IP 67                            |
| 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. |  | 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.<br>2.<br>3.<br>4. |  | MATERIAL<br>SEE SPECIFICATIONS                                  |  | DRFT NF                                                                                                                    |  | DATE 02/16/17                                                                                                        |  |
| FINISH               |  | ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY |  | APVD                                                                                                                       |  | SCALE 1=1.3                                                                                                          |  |
|                      |  | CONTACT TURCK FOR MORE INFORMATION                              |  | UNIT OF MEASUREMENT<br>INCH [ MILLIMETER ]                                                                                 |  | DESCRIPTION<br>BC5-S18-AP4X-0.5M-RS4T                                                                                |  |
|                      |  |                                                                 |  | DO NOT SCALE THIS DRAWING                                                                                                  |  | IDENTIFICATION NO.<br>2503493                                                                                        |  |
|                      |  |                                                                 |  |                                                                                                                            |  | REV<br>B                                                                                                             |  |
|                      |  |                                                                 |  |                                                                                                                            |  | FILE: 2503493                                                                                                        |  |
|                      |  |                                                                 |  |                                                                                                                            |  | SHEET 1 OF 1                                                                                                         |  |

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