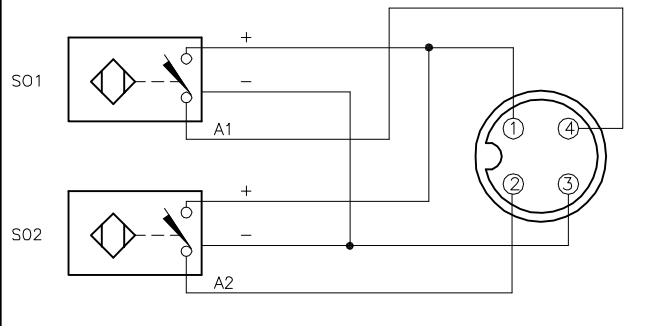
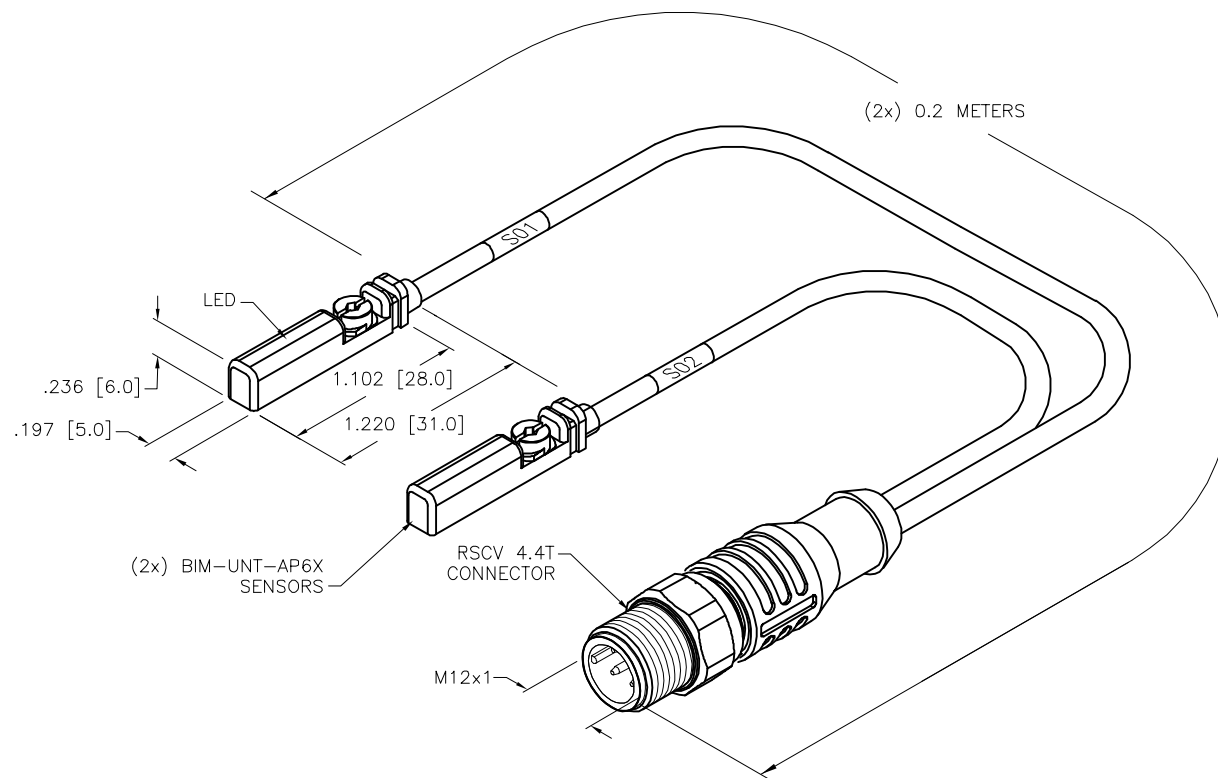


# WIRING DIAGRAM



# SPECIFICATIONS PER SENSOR

|                               |                                         |
|-------------------------------|-----------------------------------------|
| PASS SPEED                    | ≤ 10 m/s                                |
| HYSTERESIS                    | ≤ 1mm                                   |
| TEMPERATURE DRIFT             | ≤ 0.1mm                                 |
| MIN. ABSOLUTE REPEAT ACCURACY | ≥ ±0.1mm                                |
| OPERATING TEMPERATURE         | −25°C to +70°C (−13°F to +158°F)        |
| RATED OPERATIONAL VOLTAGE     | 10–30 VDC                               |
| MAX. RIPPLE                   | ≤10%                                    |
| DC RATED OPERATIONAL CURRENT  | ≤ 150 mA PER SENSOR                     |
| NO-LOAD CURRENT               | ≤ 30 mA                                 |
| RESIDUAL CURRENT              | ≤ 0.1 mA PER SENSOR                     |
| MAX. SWITCHING FREQUENCY      | ≤ 1.0 kHz                               |
| RATED INSULATION VOLTAGE      | ≤ 0.5 kV                                |
| OUTPUT FUNCTION               | NORMALLY OPEN, 3-WIRE, PNP              |
| SHORT-CIRCUIT PROTECTION      | YES, CYCLIC                             |
| MAX. VOLTAGE DROP             | ≤ 1.8 V                                 |
| WIRE BREAKAGE PROTECTION      | INCORPORATED                            |
| REVERSE POLARITY PROTECTION   | INCORPORATED                            |
| HOUSING MATERIAL              | PLASTIC, PP                             |
| ACTIVE FACE MATERIAL          | PLASTIC, PP                             |
| CABLE                         | ø3.0, TPU                               |
| VIBRATION                     | 55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES) |
| SHOCK                         | 30 g, 11 ms                             |
| DEGREE OF PROTECTION          | IP68                                    |
| SWITCHING STATUS INDICATION   | LED, YELLOW                             |
| INCLUDED IN SCOPE OF SUPPLY   | CABLE CLIP                              |



SOURCE DRAWING - FOR REFERENCE ONLY

|                                           |                                                                                                           |                                                                                                                            |                              |                                                                                                                      |              |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------|
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|                                           |                                                                                                           | DRFT RDS<br>APVD                                                                                                           | DATE 04/05/10<br>SCALE 1=1.0 | DESCRIPTION<br>BIM-UNT-2AP6X-0.2-RSCV4.4T                                                                            |              |
| MATERIAL<br><br>SEE SPECIFICATIONS        | 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>4685880                                                                                        | REV<br>E     |
| FINISH<br><br>SEE SPECIFICATIONS          |                                                                                                           | DO NOT SCALE THIS DRAWING                                                                                                  |                              | FILE: 4685880                                                                                                        | SHEET 1 OF 1 |

|     |                                       |     |          |         |
|-----|---------------------------------------|-----|----------|---------|
| E   | UPDATE SENSOR BODY & PROTECTION CLASS | RDS | 02/17/21 | 76510   |
| REV | DESCRIPTION                           | BY  | DATE     | ECO NO. |