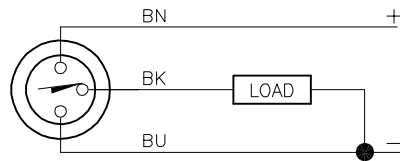
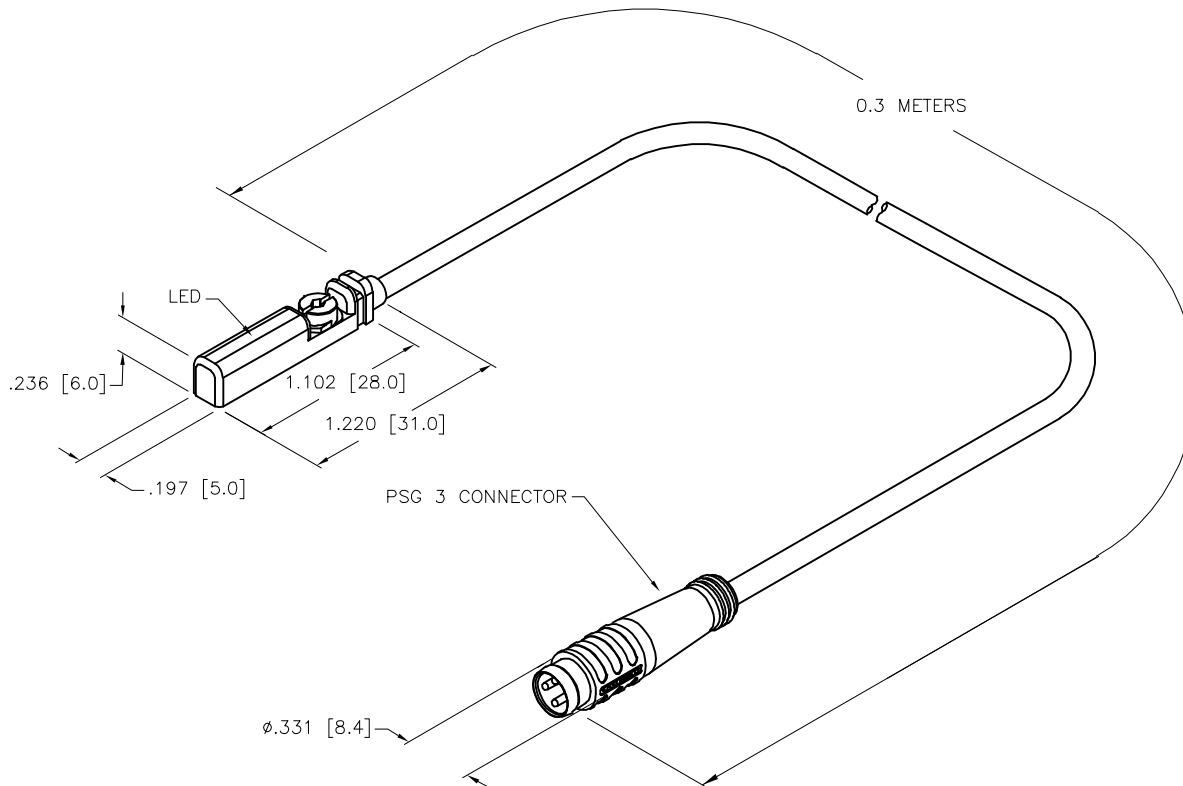


## WIRING DIAGRAM



OUTPUT: AP6X

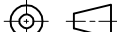
SHORT-CIRCUIT AND OVERLOAD PROTECTED



## SPECIFICATIONS

|                               |                                         |
|-------------------------------|-----------------------------------------|
| 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                                |
| NO-LOAD CURRENT               | ≤ 15 mA                                 |
| RESIDUAL CURRENT              | ≤ 0.1 mA                                |
| 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, LiYY-11Y, 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

|                      |  |                                                                                       |  |                                                                                                                                                                                |  |                                                                                                                      |  |
|----------------------|--|---------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------|--|
| RELATED DOCUMENTS    |  | 3RD ANGLE PROJECTION                                                                  |  | <div>THIS DRAWING IS<br/>CONFIDENTIAL AND THE<br/>PROPERTY OF TURCK<br/>INC. USE OF THIS<br/>DOCUMENT WITHOUT<br/>WRITTEN PERMISSION IS<br/>PROHIBITED.</div> <div>TURCK</div> |  | 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             |  | DRFT RDS                                                                              |  | DATE 06/02/08                                                                                                                                                                  |  | DESCRIPTION<br>BIM-UNT-AP6X-0.3-PSG3                                                                                 |  |
| FINISH               |  | APVD                                                                                  |  | SCALE 1=1.0                                                                                                                                                                    |  |                                                                                                                      |  |
|                      |  | UNIT OF MEASUREMENT<br>INCH [ MILLIMETER ]                                            |  |                                                                                                                                                                                |  | IDENTIFICATION NO.<br>4685781                                                                                        |  |
|                      |  | DO NOT SCALE THIS DRAWING                                                             |  |                                                                                                                                                                                |  | REV<br>D                                                                                                             |  |
|                      |  | ALL DIMENSIONS<br>DISPLAYED ON THIS<br>DRAWING ARE FOR<br>REFERENCE ONLY              |  | CONTACT TURCK<br>FOR MORE<br>INFORMATION                                                                                                                                       |  | FILE: 4685781                                                                                                        |  |
|                      |  |                                                                                       |  |                                                                                                                                                                                |  | SHEET 1 OF 1                                                                                                         |  |

|     |                                          |    |          |          |
|-----|------------------------------------------|----|----------|----------|
| D   | REMOVED LED SQUARE AND UPDATED IP RATING | ER | 02/16/21 | 76501    |
| REV | DESCRIPTION                              | BY | DATE     | ECO. NO. |