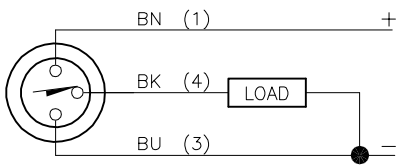
## WIRING DIAGRAM

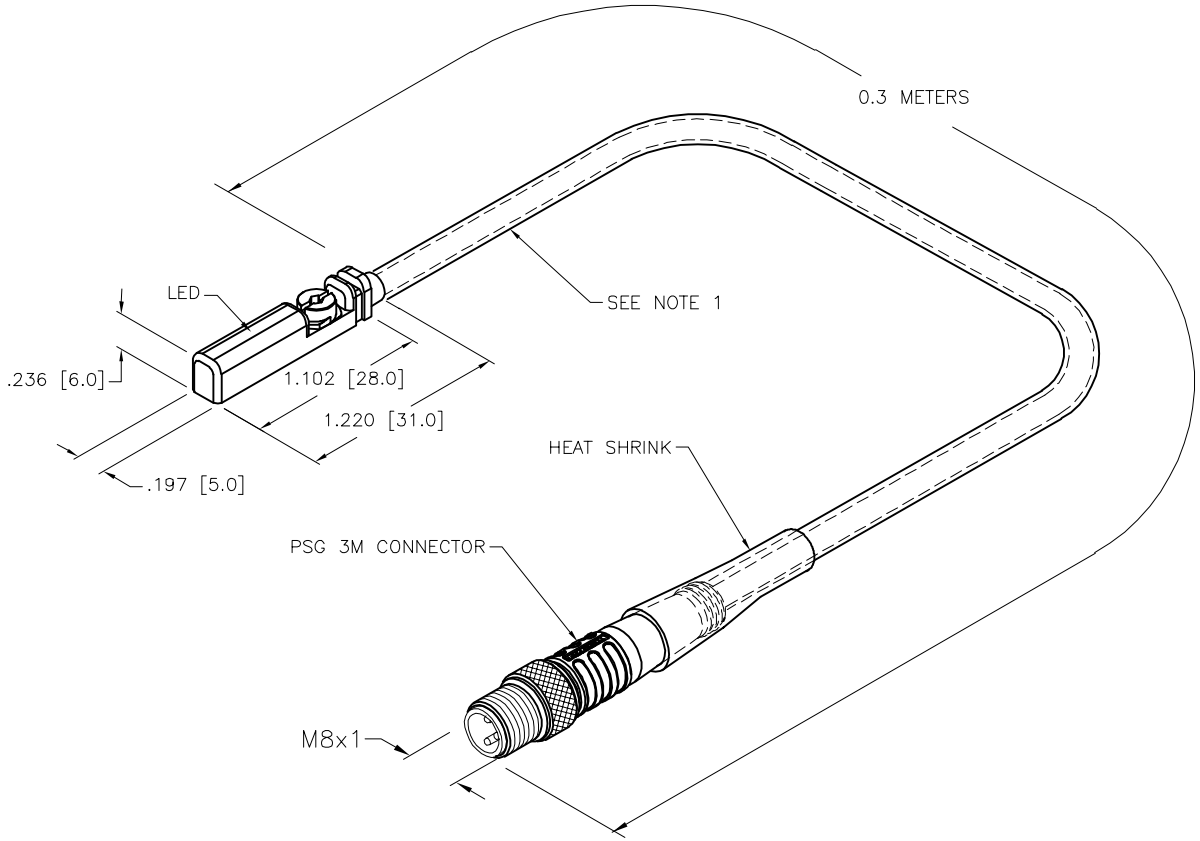



OUTPUT: AP6X

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, LifYY–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 |




| CABLE LENGTH | TOLERANCE * |
|---|---|
| ALL LENGTHS | + 4% (OR 50mm) OF LENGTH<br>– 0% (OR 0mm) OF LENGTH<br>WHICHEVER IS GREATER |
| **STRIP LENGTH** | **TOLERANCE *** |
| 0–7mm | ±0.5mm |
| 8–29mm | ±1.0mm |
| 30–49mm | ±2.0mm |
| 50–69mm | ±3.0mm |
| 70–100mm | ±4.0mm |
| OVER 100mm | ±5.0mm |
| * UNLESS OTHERWISE SPECIFIED | |

**SOURCE DRAWING – FOR REFERENCE ONLY**

1. "/S1144" DESIGNATES USE OF PTFE TUBING OVER SENSOR CABLE.

   – PTFE TUBING STARTS AT SENSOR END, AND GETS CAPTURED IN THE CONNECTOR MOLDING MATERIAL

   – SLIDE 35MM OF SHRINK TUBING TO OVERLAP CONNECTOR MOLD BODY AND PTFE TUBING

| REV | DESCRIPTION | BY | DATE | ECO NO. |
|---|---|---|---|---|
| B | UPDATE LED | NF | 02/18/21 | 76512 |

RELATED DOCUMENTS
1.
2.
3.
4.

3RD ANGLE PROJECTION

MATERIAL

FINISH

ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY

CONTACT TURCK FOR MORE INFORMATION



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(763) 553–0708 fax
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DRFT NF | DATE 01/26/21
APVD A.F. | SCALE 1=1.0

UNIT OF MEASUREMENT
**INCH [ MILLIMETER ]**
DO NOT SCALE THIS DRAWING

DESCRIPTION
BIM–UNT–AP6X–0.3–PSG3M/S1144

IDENTIFICATION NO. 100027183
REV B

FILE: 100027183
SHEET 1 OF 1

Approved 02/18/2021, work order #227355 by A.F.