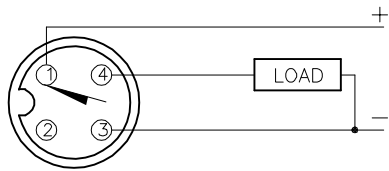


WIRING DIAGRAM

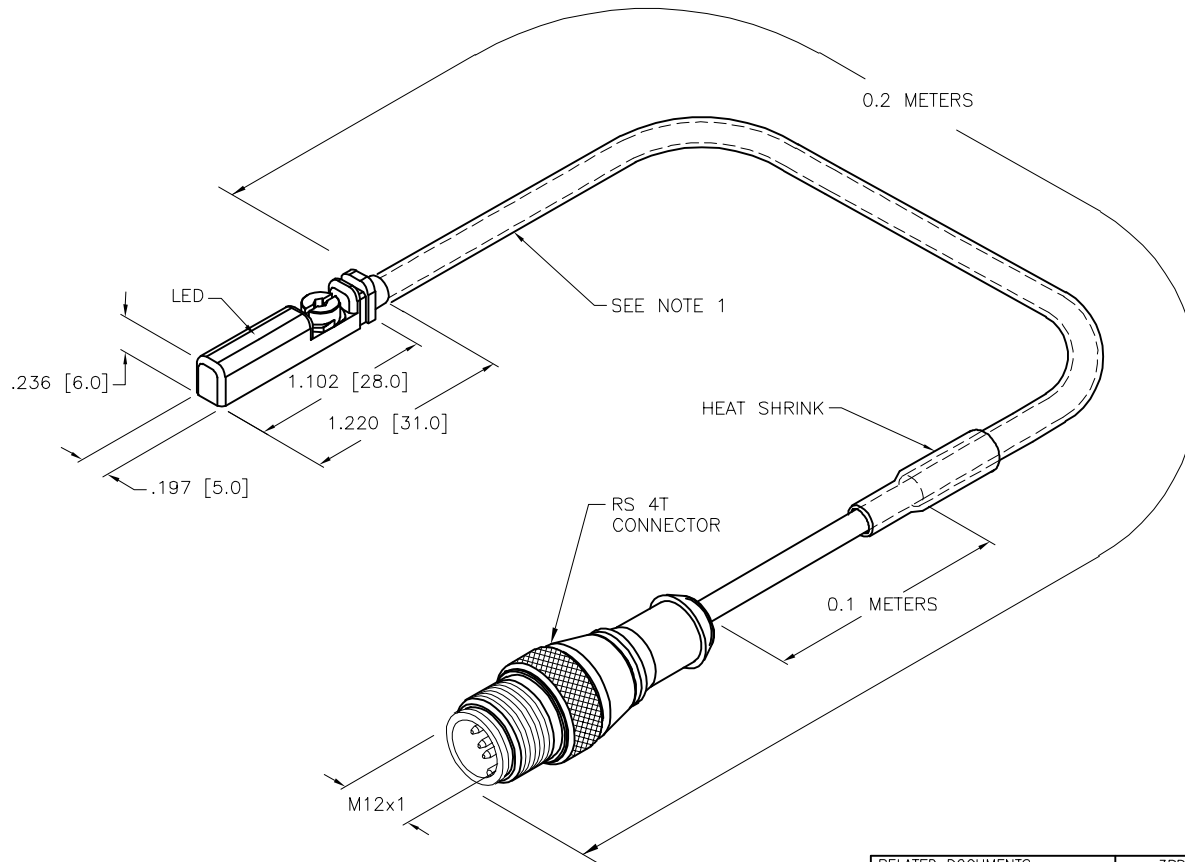


OUTPUT: AP6X

SHORT-CIRCUIT AND OVERLOAD PROTECTED

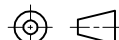

SPECIFICATIONS

| | |
|-------------------------------|---|
| 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 |



1. "/S1764" WELDGUARD COATED SENSOR WITH FIREFAST VITON SLEEVING. SLEEVE STARTS ON SENSOR END, AND COVERS ALL BUT 100MM OF CABLE HELD IN PLACE BY SHRINK TUBE.

SOURCE DRAWING - FOR REFERENCE ONLY

| | | | | | | | | | | |
|---|------------------------------------|---|------|--|--|--|--------------|-------|----------|--|
| RELATED DOCUMENTS 1. 2. 3. 4. | 3RD ANGLE PROJECTION |  | | THIS DRAWING IS CONFIDENTIAL AND THE PROPERTY OF TURCK INC. USE OF THIS DOCUMENT WITHOUT WRITTEN PERMISSION IS PROHIBITED. |  <div>3000 CAMPUS DRIVE MINNEAPOLIS, MN 55441 1-800-544-7769 (763) 553-7300 (763) 553-0708 fax www.turck.us</div> | | | | | |
| | | | | | | | | | | |
| | MATERIAL | ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY | DRFT | | | | RDS | DATE | 04/16/08 | DESCRIPTION BIM-UNT-AP6X-0.2-RS4T/S1764 |
| | | | APVD | | | | | SCALE | 1=1.0 | |
| FINISH | CONTACT TURCK FOR MORE INFORMATION | UNIT OF MEASUREMENT | | | IDENTIFICATION NO. | | REV | | | |
| | | INCH [MILLIMETER] | | | 4685798 | | D | | | |
| | | DO NOT SCALE THIS DRAWING | | | FILE: 4685798 | | SHEET 1 OF 1 | | | |

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