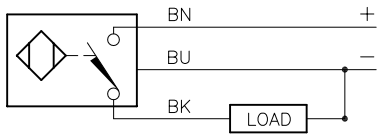
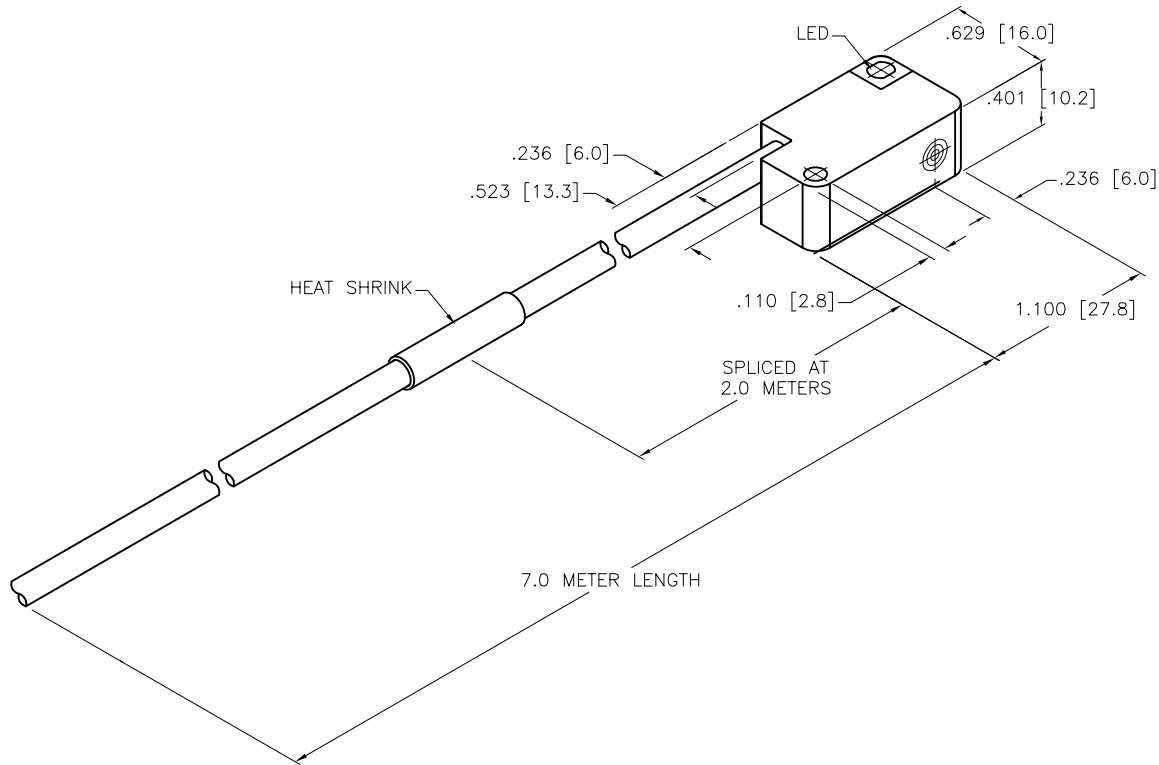


WIRING DIAGRAM



OUTPUT: AP6X

SHORT-CIRCUIT AND OVERLOAD PROTECTED



SPECIFICATIONS

| | |
|-----------------------------|---|
| RATED OPERATING DISTANCE | 2mm = .079" (NOMINAL) |
| MOUNTING MODE | FLUSH |
| TEMPERATURE DRIFT | ≤ ±10% |
| HYSTERESIS | 3-15% |
| MIN. REPEAT ACCURACY | ≤ 2% |
| OPERATING TEMPERATURE | -25°C to +70°C (-13°F to +158°F) |
| RATED OPERATIONAL VOLTAGE | 10-30 VDC |
| RESIDUAL RIPPLE | ≤ 10% |
| RATED OPERATIONAL CURRENT | ≤ 150 mA |
| NO-LOAD CURRENT | ≤ 15 mA |
| RESIDUAL CURRENT | ≤ 0.1 mA |
| RATED INSULATION VOLTAGE | ≤ 0.5 kV |
| SHORT-CIRCUIT PROTECTION | YES, CYCLIC |
| MAX. VOLTAGE DROP | ≤ 1.8 V |
| WIRE BREAKAGE PROTECTION | INCORPORATED |
| REVERSE POLARITY PROTECTION | INCORPORATED |
| OUTPUT FUNCTION | 3-WIRE, NORMALLY OPEN, PNP |
| MAX. SWITCHING FREQUENCY | ≤ 2 kHz |
| HOUSING MATERIAL | PLASTIC, PP-GF20 |
| ACTIVE FACE | PLASTIC, PP-GF20 |
| CABLE | ∅3.8, PVC |
| VIBRATION RESISTANCE | 55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES) |
| SHOCK RESISTANCE | 30 g, 11 ms |
| DEGREE OF PROTECTION | IP67 |
| SWITCHING STATUS INDICATION | LED, YELLOW |

| CABLE LENGTH | TOLERANCE |
|--------------|---|
| ALL LENGTHS | + 4% (OR 50mm) OF LENGTH - 0% (OR 0mm) OF LENGTH 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 |

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. | | 3000 CAMPUS DRIVE MINNEAPOLIS, MN 55441 1-800-544-7769 (763) 553-7300 (763) 553-0708 fax turck.com | |
| | MATERIAL | ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY | DRFT RDS APVD TB | DATE 10/11/06 SCALE 1=1.0 | DESCRIPTION BI 2-Q10S-AP6X 7M SPLICED |
| FINISH | CONTACT TURCK FOR MORE INFORMATION | UNIT OF MEASUREMENT INCH [MILLIMETER] | | IDENTIFICATION NO. S16093811 | REV E |
| E UPDATE CABLE DIAMETER REV DESCRIPTION | KMY BY | 02/22/12 DATE | 37068 ECO NO. | DO NOT SCALE THIS DRAWING FILE: s16093811 SHEET 1 OF 1 | |