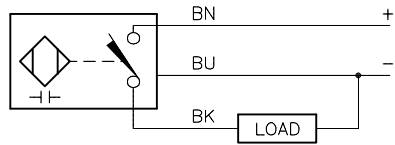
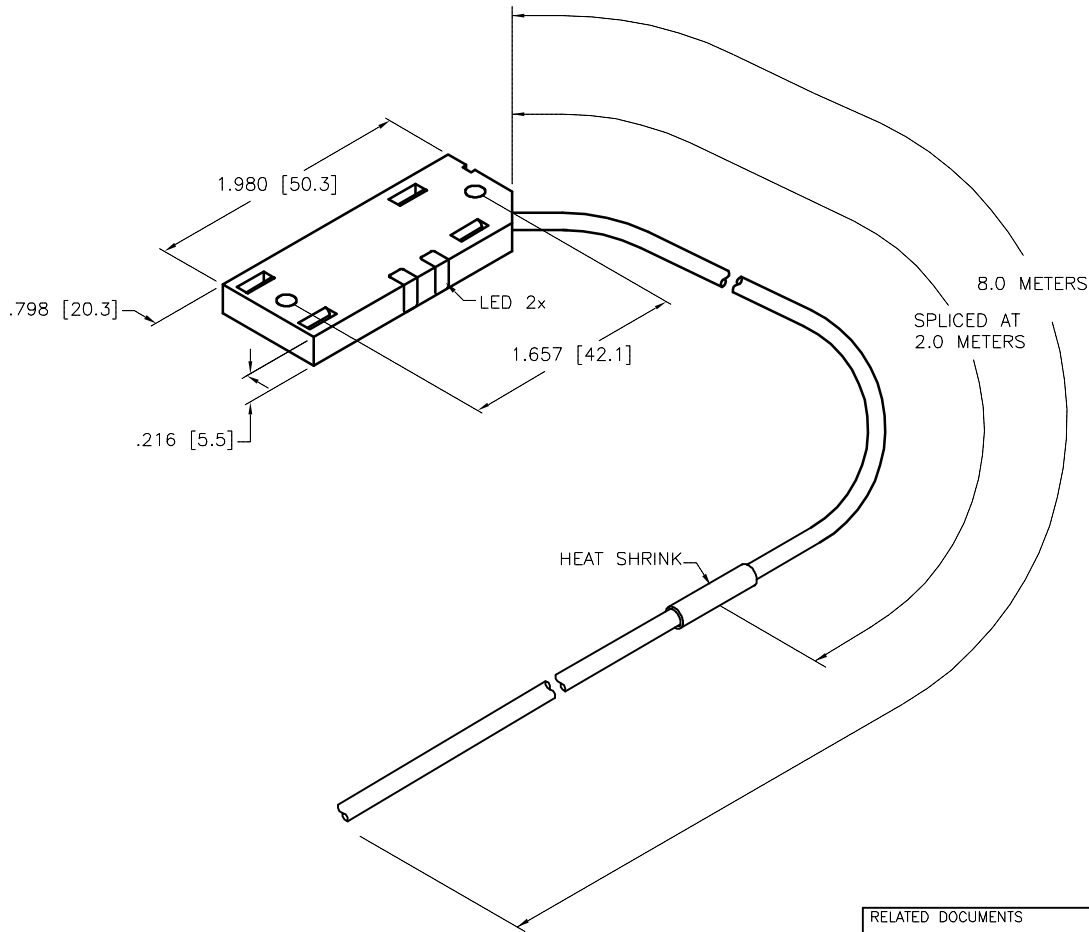


WIRING DIAGRAM



OUTPUT: AP6X2

SHORT-CIRCUIT AND OVERLOAD PROTECTED



SPECIFICATIONS

| | |
|---|---|
| OPERATING VOLTAGE | 10-30 VDC |
| RESIDUAL RIPPLE | ≤10% |
| HYSTERESIS | 2-20% (5% TYPICAL) |
| VOLTAGE DROP ACROSS CONDUCTING SENSOR | ≤1.8 V at 200 mA |
| OUTPUT FUNCTION | NORMALLY OPEN, 3-WIRE, PNP |
| TTL COMPATIBLE | NO |
| SHORT-CIRCUIT PROTECTED | YES |
| TRIGGER CURRENT FOR OVERLOAD PROTECTION | ≥ 220 mA |
| CONTINUOUS LOAD CURRENT | ≤ 200 mA |
| RESIDUAL CURRENT | <100 μA |
| NO-LOAD CURRENT | ≤15 mA |
| TIME DELAY BEFORE AVAILABILITY | ≤ 8 ms |
| POWER-ON EFFECT | Per IEC 947-5-2 |
| REVERSE POLARITY PROTECTION | YES |
| WIRE BREAK PROTECTION | YES |
| TRANSIENT PROTECTION | Per EN 60947-5-2 |
| OPERATING TEMPERATURE | -25°C to +70°C (-13°F to +158°F) |
| MAX RELATIVE TEMPERATURE DRIFT | ≤ 20 % |
| ENCLOSURE | MEETS NEMA 1, 3, 4, 6, 13 AND IEC IP67 |
| SHOCK | 30 g, 11 ms |
| VIBRATION | 55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES) |
| LED FUNCTION | YELLOW = OUTPUT ENERGIZED GREEN = POWER ON |
| RATED OPERATING DISTANCE | 10 mm = .394" (ADJUSTABLE) |
| SWITCHING FREQUENCY | 100 Hz |
| REPEATABILITY | ≤ 2% OF RATED OPERATING DISTANCE |
| EMBEDDABLE | YES |

SOURCE DRAWING - FOR REFERENCE ONLY

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| | | DRFT RDS APVD A.F. | DATE 01/04/13 SCALE 1=1.5 | DESCRIPTION BC10-QF5.5-AP6X2 8M SPLICED | | IDENTIFICATION NO. S2620183-1 |
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| REV | DESCRIPTION | BY | DATE | ECO NO. |