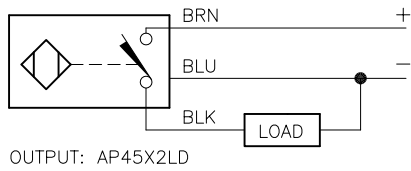


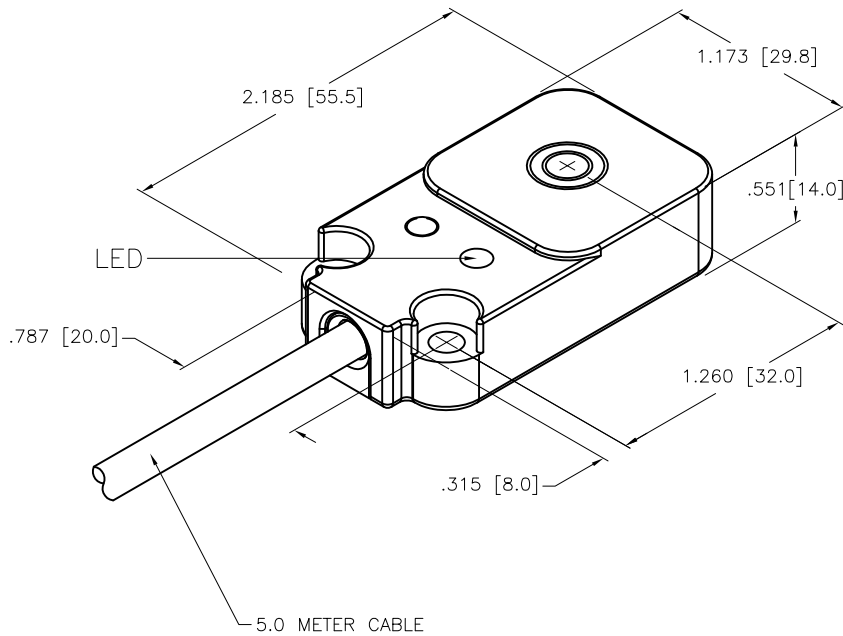
WIRING DIAGRAM



SHORT-CIRCUIT AND OVERLOAD PROTECTED

SPECIFICATIONS

| | |
|------------------------------|---------------------------------------|
| RATED OPERATING DISTANCE | 10.0 mm [.394"] |
| MOUNTING MODE | FLUSH |
| TEMPERATURE DRIFT | ≤ ±10% ≤ ±15%, ≤ -25°C V ≥ +70°C |
| HYSTERESIS | 3-15% |
| MIN. REPEAT ACCURACY | ≤ 2% |
| AMBIENT TEMPERATURE | -40°C to +85°C (-40°F to +185°F) |
| OPERATING VOLTAGE | 8.4-65 VDC |
| RESIDUAL RIPPLE | ≤ 10% |
| DC OPERATIONAL CURRENT | ≤ 200 mA |
| NO-LOAD CURRENT | ≤ 15 mA |
| RESIDUAL CURRENT | ≤ 0.1 mA |
| RATED INSULATION VOLTAGE | ≤ 0.5 kV |
| OUTPUT FUNCTION | 3-WIRE, NORMALLY OPEN, PNP |
| SHORT-CIRCUIT PROTECTION | YES |
| MAX. VOLTAGE DROP | ≤ 1.8 V |
| WIRE BREAKAGE PROTECTION | INCORPORATED |
| REVERSE POLARITY PROTECTION | INCORPORATED |
| LOAD DUMP PROTECTION | IV/LEVEL 4, din 40839 (SAE J 1113-11) |
| SWITCHING FREQUENCY | ≤ 0.5 kHz |
| HOUSING MATERIAL | PLASTIC, PBT-GF30-V0 |
| ACTIVE FACE MATERIAL | PLASTIC, PBT-GF30-V0 |
| CONNECTION | CABLE |
| CABLE | 5.2 , 3x20 AWG , TPE |
| VIBRATION RESISTANCE | 55 Hz (IN ALL 3 PLANES) |
| SHOCK RESISTANCE | 150 g, 6 ms, (IN ALL 3 PLANES) |
| DEGREE OF PROTECTION | IP68/IP69K |
| SWITCHING STATUS INDICATION | LED/YELLOW |
| OPERATING VOLTAGE INDICATION | LED/GREEN |
| NOISE IMMUNITY | 100 V/m RADIATED & 100 mA BCI |



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| RELATED DOCUMENTS | | 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 www.turck.us | |
| 1. 2. 3. 4. | | | | DRFT RDS DATE 05/06/15 | | DESCRIPTION BI10-Q14-AP45X2LD 5M | |
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| REV DESCRIPTION | | BY DATE ECO NO. | | | | | |

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| B | UPDATE ID NUMBER PER HARMONIZATION PROJECT | CBM | 12/20/17 | |
| REV | DESCRIPTION | BY | DATE | ECO NO. |