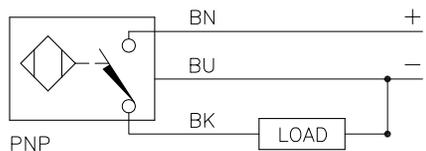
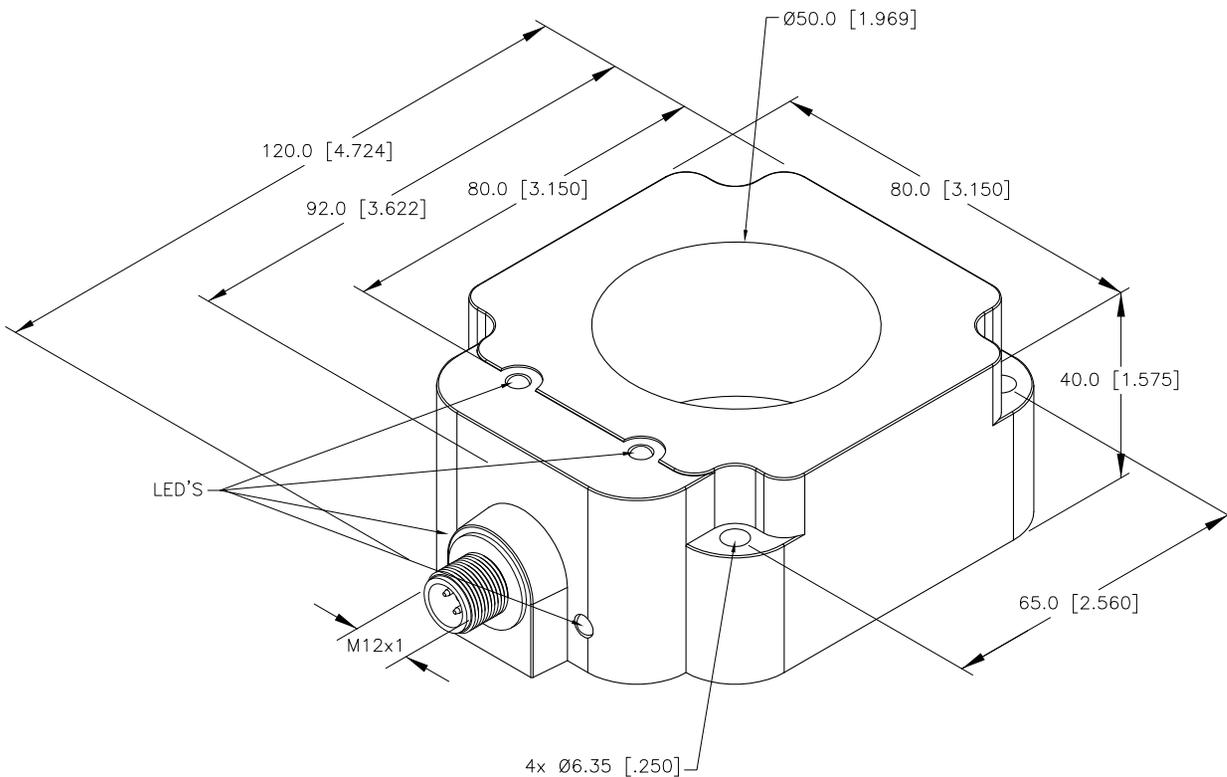


WIRING DIAGRAM



OUTPUT: AP6X2



SPECIFICATIONS

| | |
|--------------------------------|---|
| INTERIOR RING DIAMETER | 50 mm |
| MIN. STEEL BALL DIAMETER | ≥ 6mm |
| PULSE PAUSE | ≥ 1ms |
| PULSE LENGTH AT OUTPUT | ≥ 100ms ± 20% |
| OPERATING TEMPERATURE | -25°C to +70°C (-13°F to +158°F) |
| OPERATING VOLTAGE | 10-30 VDC |
| RIPPLE | ≤ ±10% |
| RATED OPERATIONAL CURRENT (DC) | ≤ 200 mA |
| NO LOAD CURRENT | ≤ 15 mA |
| MAX. OFF-STATE CURRENT | ≤ 0.1 mA |
| MAX. SWITCHING FREQUENCY | ≤ 0.01 kHz |
| RATED INSULATION VOLTAGE | ≤ 0.5 kV |
| OUTPUT FUNCTION | 3-WIRE, NORMALLY OPEN, PNP-OUTPUT |
| SHORT CIRCUIT PROTECTION | INCORPORATED |
| MAX. VOLTAGE DROP | ≤ 1.8 V |
| WIRE-BREAK PROTECTION | INCORPORATED |
| HOUSING STYLE | RING SENSOR, Q80 |
| HOUSING MATERIAL | PLASTIC, PBT-GF30 |
| COIL FORM | PLASTIC, PBT-GF30 |
| VIBRATION RESISTANCE | 55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES) |
| SHOCK RESISTANCE | 30 g, 11 ms |
| DEGREE OF PROTECTION | IP67 |
| SUPPLY VOLTAGE INDICATION | LED: GREEN |
| SWITCHING STATUS INDICATION | LED: YELLOW |

| | | | | | | | |
|-----------------------------|--|---|--|---|---------------|--|--|
| RELATED DOCUMENTS | | 3RD ANGLE PROJECTION | | THIS DRAWING IS PROPERTY OF TURCK INC. USE OF THIS DOCUMENT WITHOUT WRITTEN PERMISSION IS PROHIBITED. | | TURCK INC High Technology Sensors and Automation Controls 3000 CAMPUS DRIVE MINNEAPOLIS, MN 55441 1-800-544-7769 (763) 553-7300 (763) 553-0708 fax turck.com | |
| 1. 2. 3. 4. | | | | DRFT RDS | DATE 04/07/03 | DESCRIPTION | |
| MATERIAL | | ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY | | DSGN | SCALE NONE | Bi50R-Q80-AP6X2-H1141 | |
| FINISH | | CONTACT TURCK FOR MORE INFORMATION | | UNIT OF MEASUREMENT | | IDENTIFICATION NO. | |
| PBT-GF30 PLASTIC HOUSING | | | | MILLIMETER [INCH] | | M1407530 | |
| A DRAWING RELEASE | | RDS 05/15/03 | | DO NOT SCALE THIS DRAWING | | REV A | |
| REV DESCRIPTION | | BY DATE ECO NO. | | FILE: M1407530 | | SHEET 1 OF 1 | |