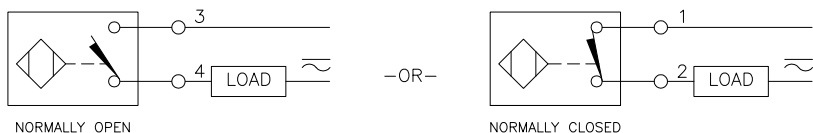
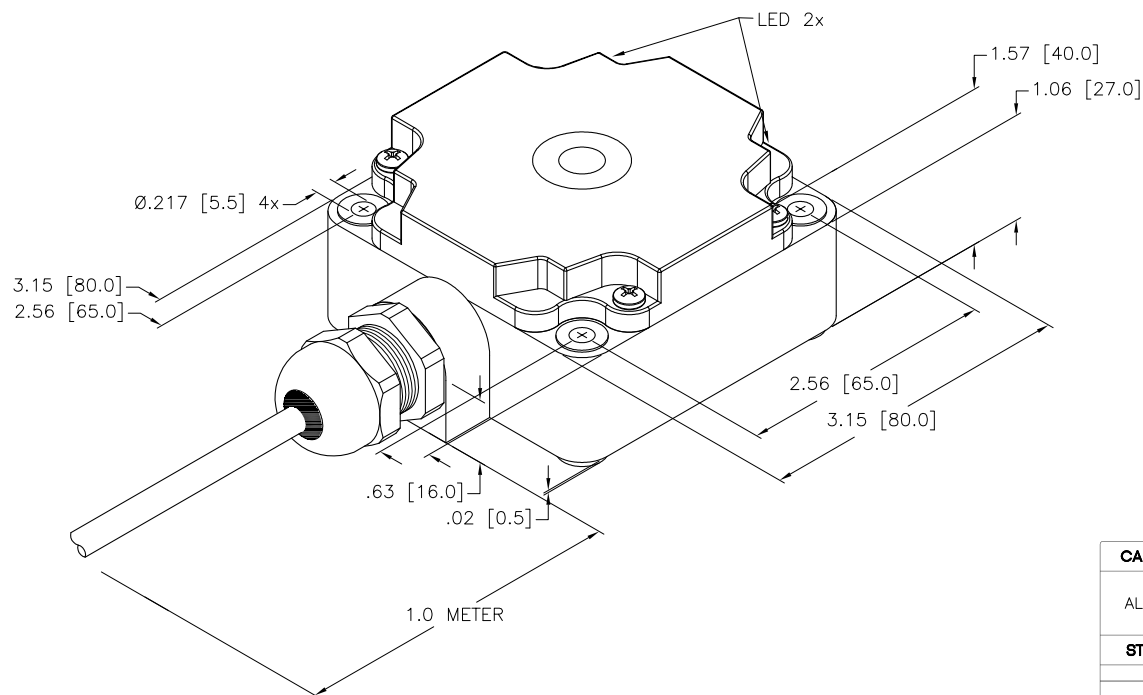


WIRING DIAGRAM



SPECIFICATIONS

| | |
|-----------------------------------|--|
| RATED OPERATING DISTANCE | 75mm [2.953"] |
| MOUNTING MODE | NON-FLUSH |
| TEMPERATURE DRIFT | $\leq \pm 10\%$ $\leq \pm 15\%$, $\leq -25^{\circ}\text{C}$ v $\geq +70^{\circ}\text{C}$ |
| HYSTERESIS | 3-15% |
| MIN. REPEAT ACCURACY | $\leq 2\%$ |
| OPERATING TEMPERATURE | -30°C to $+85^{\circ}\text{C}$ (-22°F to $+185^{\circ}\text{F}$) |
| RATED OPERATIONAL VOLTAGE (AC/DC) | 20-250 VAC/10-300 VDC |
| RATED OPERATIONAL CURRENT (AC/DC) | ≤ 400 mA/ ≤ 300 mA |
| MAINS FREQUENCY | 50-60 Hz |
| RESIDUAL CURRENT | ≤ 1.7 mA |
| RATED INSULATION VOLTAGE | ≤ 1.5 kV |
| SURGE CURRENT | ≤ 3.0 A(≤ 20 ms MAX. 5 Hz) |
| SHORT-CIRCUIT PROTECTION | YES |
| MAX. VOLTAGE DROP | ≤ 6.0 V |
| WIRE BREAKAGE PROTECTION | INCORPORATED |
| REVERSE POLARITY PROTECTION | INCORPORATED |
| OUTPUT FUNCTION | 2-WIRE, CONNECTION PROGRAMMABLE |
| SMALLEST OPERATING CURRENT | ≥ 3.0 mA |
| MAX. SWITCHING FREQUENCY | ≤ 0.06 kHz |
| HOUSING MATERIAL | PLASTIC, PBT-GF30-V0 |
| ACTIVE FACE MATERIAL | PLASTIC, PBT-GF30-V0 |
| VIBRATION RESISTANCE | 55 Hz (IN ALL 3 PLANES) |
| SHOCK RESISTANCE | 30 g, 11 ms |
| DEGREE OF PROTECTION | IP 67 |
| OPERATING VOLTAGE DISPLAY | LED: GREEN |
| SWITCHING STATUS INDICATION | LED: YELLOW |
| SHORT-CIRCUIT INDICATION | LED: GREEN-FLASHING |

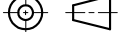


| CABLE LENGTH | TOLERANCE |
|--------------|---|
| ALL LENGTHS | + 4% (OR 50mm) OF LENGTH - 0% (OR 0mm) OF LENGTH WHICHEVER IS GREATER |
| STRIP LENGTH | TOLERANCE |
| 0-7mm | ± 0.5 mm |
| 8-29mm | ± 1.0 mm |
| 30-49mm | ± 2.0 mm |
| 50-69mm | ± 3.0 mm |
| 70-100mm | ± 4.0 mm |
| OVER 100mm | ± 5.0 mm |

SOURCE DRAWING - FOR REFERENCE ONLY

NOTES:

- FULLY POTTED CHAMBER.
- "/CS11594" DESIGNATES SPECIAL SILIFLEX CABLE. 1.0 METER LAPP CABLE #46001, STANDARD STRIP LENGTHS. WIRED: 3=BU, 4=BN

| | | | | | | | | | |
|---|--|---|---------------|---|--|--|--------------|---|--|
| RELATED DOCUMENTS 1. 2. 3. 4. | 3RD ANGLE PROJECTION |  | | THIS DRAWING IS PROPERTY OF TURCK INC. USE OF THIS DOCUMENT WITHOUT WRITTEN PERMISSION IS PROHIBITED. | | TURCK inc <i>High Technology Sensors and Automation Controls</i> | | 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 CONTACT TURCK FOR MORE INFORMATION | DRFT RDS | DATE 10/04/07 | DESCRIPTION NI75U-CP80-FDZ30X2/CS11594/PNO 1M | | | | | |
| DSGN af | | SCALE 1=2.0 | | | | | | | |
| FINISH | | UNIT OF MEASUREMENT INCH [MILLIMETER] DO NOT SCALE THIS DRAWING | | IDENTIFICATION NO. M4280997 | | | REV A | | |
| | | | | FILE: M4280997 | | | SHEET 1 OF 1 | | |

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| A | DRAWING RELEASE | RDS | 10/04/07 | |
| REV | DESCRIPTION | BY | DATE | ECO NO. |