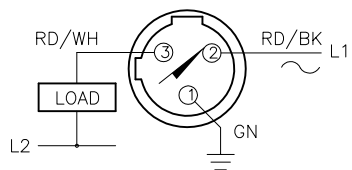
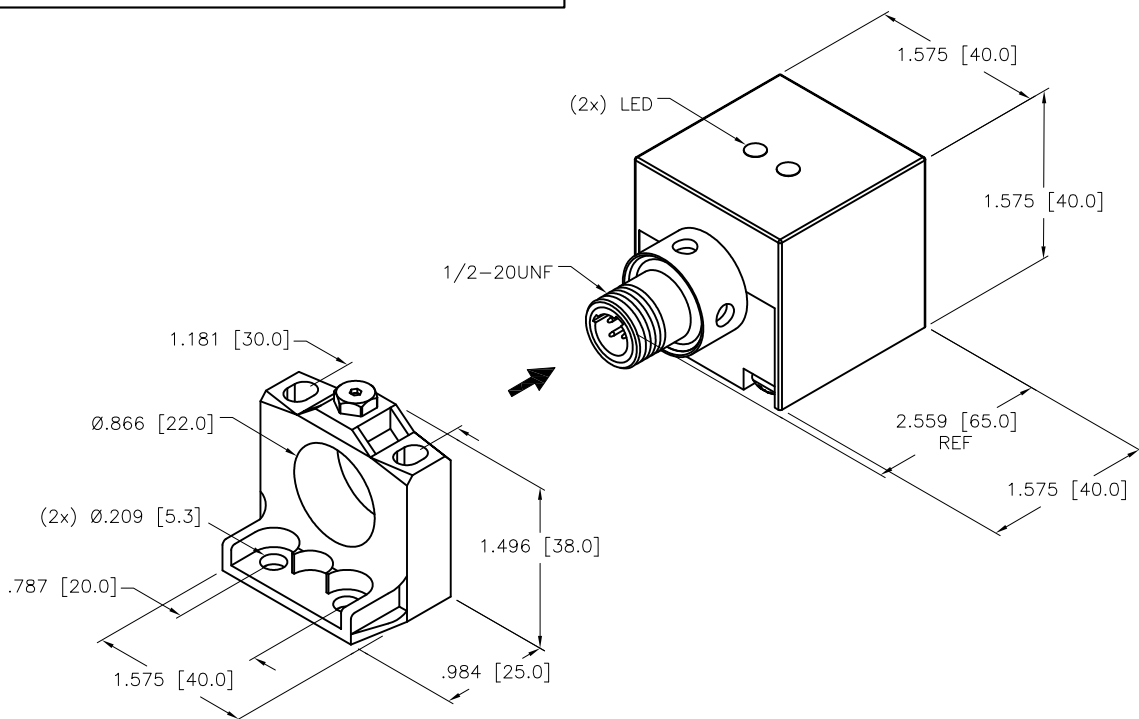


# WIRING DIAGRAM



OUTPUT: ADZ30X2

SHORT-CIRCUIT AND OVERLOAD PROTECTED



BS-2.1 MOUNTING  
BRACKET

# SPECIFICATIONS

|                                   |                                            |
|-----------------------------------|--------------------------------------------|
| RATED OPERATING DISTANCE          | 20mm = .787"                               |
| MOUNTING MODE                     | FLUSH                                      |
| MIN. REPEAT ACCURACY              | ≤2%                                        |
| TEMPERATURE DRIFT                 | ≤±10%                                      |
| HYSTERESIS                        | 3–15%                                      |
| OPERATING TEMPERATURE             | 0°C to +70°C (+32°F to +158°F)             |
| RATED OPERATIONAL VOLTAGE         | 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 PROTECTED           | YES                                        |
| MAX. VOLTAGE DROP                 | ≤6.0 V                                     |
| REVERSE POLARITY PROTECTION       | INCORPORATED                               |
| WIRE-BREAK PROTECTION             | INCORPORATED                               |
| OUTPUT FUNCTION                   | 2-WIRE, NORMALLY OPEN                      |
| SMALLEST OPERATING CURRENT        | ≤3.0 mA                                    |
| MAX. SWITCHING FREQUENCY          | ≤0.01 kHz                                  |
| HOUSING MATERIAL                  | METAL, GD-AISI 12                          |
| CONNECTOR                         | 1/2"–20UNF                                 |
| SHOCK                             | 30 g, 11 ms                                |
| VIBRATION                         | 55 Hz, 1 mm AMPLITUDE<br>(IN ALL 3 PLANES) |
| DEGREE OF PROTECTION              | IP68                                       |
| OPERATING VOLTAGE DISPLAY         | LED: GREEN                                 |
| SWITCHING STATUS INDICATION       | LED: YELLOW                                |

|                                           |                                                                          |                                                                                                                                              |                  |                                                                                                                                                              |              |
|-------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| RELATED DOCUMENTS<br>1.<br>2.<br>3.<br>4. | 3RD ANGLE<br>PROJECTION<br>                                              | THIS DRAWING IS<br>CONFIDENTIAL AND THE<br>PROPERTY OF TURCK<br>INC. USE OF THIS<br>DOCUMENT WITHOUT<br>WRITTEN PERMISSION IS<br>PROHIBITED. |                  | <div>3000 CAMPUS DRIVE<br/>MINNEAPOLIS, MN 55441<br/>1-800-544-7769<br/>(763) 553-7300<br/>(763) 553-0708 fax<br/>www.turck.us</div> <div><b>TURCK</b></div> |              |
|                                           | MATERIAL<br><br>SEE SPECIFICATIONS                                       | DRFT<br>CBM                                                                                                                                  | DATE<br>01/21/99 | DESCRIPTION<br>B120U-CA40-ADZ30X2-B3131 W/BS 2.                                                                                                              |              |
| FINISH<br><br>SEE SPECIFICATIONS          | ALL DIMENSIONS<br>DISPLAYED ON THIS<br>DRAWING ARE FOR<br>REFERENCE ONLY | APVD                                                                                                                                         | SCALE<br>1=1.5   | UNIT OF MEASUREMENT<br><b>INCH [ MILLIMETER ]</b>                                                                                                            |              |
| CONTACT TURCK<br>FOR MORE<br>INFORMATION  |                                                                          | DO NOT SCALE THIS DRAWING                                                                                                                    |                  | IDENTIFICATION NO.<br><br>4283292                                                                                                                            | REV<br><br>E |
| E                                         | UPDATE ID NUMBER PER HARMONIZATION PROJECT                               | CBM                                                                                                                                          | 11/06/17         | FILE: 4283292                                                                                                                                                |              |
| REV                                       | DESCRIPTION                                                              | BY                                                                                                                                           | DATE             | ECO. NO.                                                                                                                                                     |              |