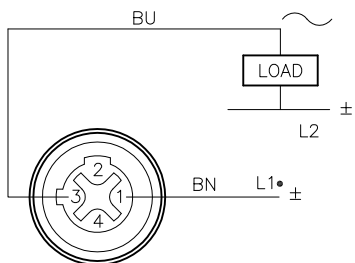
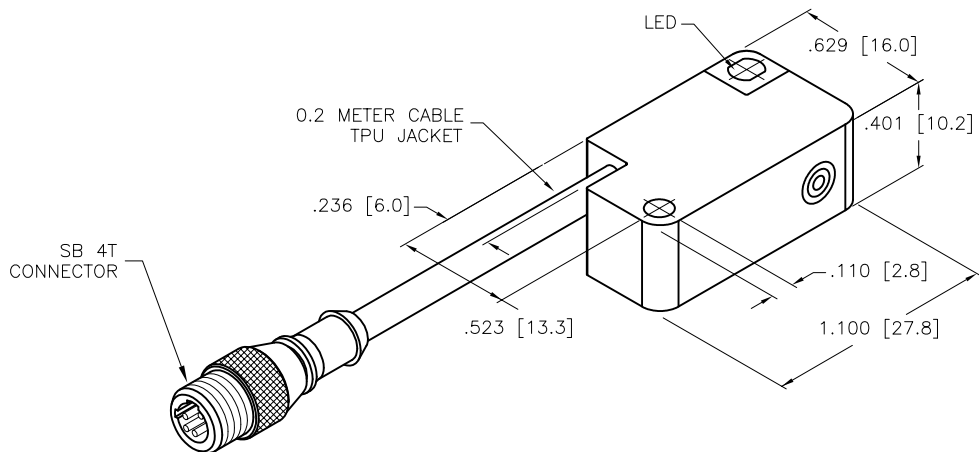


WIRING DIAGRAM



OUTPUT: AZ31X

WARNING: NO SHORT-CIRCUIT PROTECTION.  
ALWAYS WIRE A LOAD IN SERIES WITH THE SENSOR.



SPECIFICATIONS

OPERATING VOLTAGE	20-250 VAC, 10-300 VDC
LINE FREQUENCY	40-60 Hz
HYSTERESIS (DIFFERENTIAL TRAVEL)	3-15% (5% TYPICAL)
VOLTAGE DROP ACROSS CONDUCTING SENSOR	≤6.0 V at 100 mA
OUTPUT FUNCTION	NORMALLY OPEN 2-WIRE AC/DC
SHORT-CIRCUIT PROTECTED	NO
CONTINUOUS LOAD CURRENT	≤100 mA
OFF-STATE (LEAKAGE) CURRENT	≤1.7 mA
MINIMUM LOAD CURRENT	≥3.0 mA
INRUSH CURRENT	≤1.0 A (≤30 ms, 15% DUTY CYCLE)
TIME DELAY BEFORE AVAILABILITY	≤60 ms
POWER-ON EFFECT	Per IEC 947-5-2
PROTECTION AGAINST TRANSIENTS	Per EN 60947-5-2
OPERATING TEMPERATURE	-25°C to +70°C (-13°F to +158°F)
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	RED: OUTPUT ENERGIZED
SENSING RANGE	2 mm = .079" (NOMINAL)
SWITCHING FREQUENCY	60 Hz
REPEATABILITY	≤2% of RATED OPERATING DISTANCE
EMBEDDABLE (SHIELDED)	YES

NOTE  
PRELIMINARY  
SPECIFICATIONS

SOURCE DRAWING - FOR REFERENCE ONLY

NOTES:

- "S1597" INDICATES 4-PIN MICROFAST PIGTAIL, PIN 1=BROWN; PIN 3=BLUE

RELATED DOCUMENTS 1. 2. 3. 4.	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	
	MATERIAL	DRFT CBM	DATE 10/08/01	DESCRIPTION BI2-Q10S-AZ31X-0.2-SB4T/S1597	
FINISH	ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY	APVD	SCALE NONE	IDENTIFICATION NO. 1309193	
	CONTACT TURCK FOR MORE INFORMATION	UNIT OF MEASUREMENT <b>INCH [ MILLIMETER ]</b>		REV P5	
P5	UPDATE ID NUMBER PER HARMONIZATION PROJECT	CBM	01/30/18	DO NOT SCALE THIS DRAWING	
REV	DESCRIPTION	BY	DATE	ECO NO.	FILE: 1309193 SHEET 1 OF 1