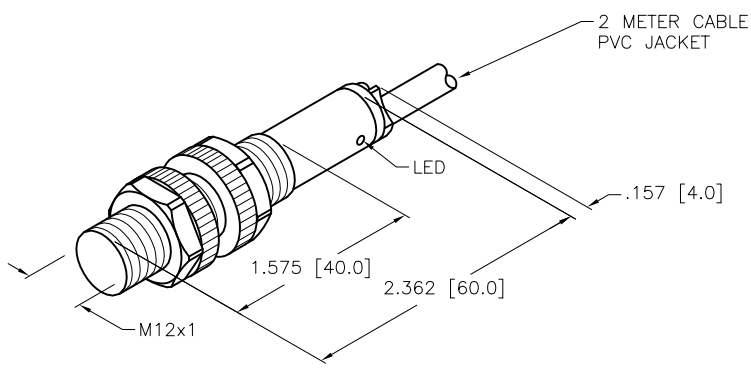


SPECIFICATIONS

OPERATING VOLTAGE	35-250 VAC/DC
LINE FREQUENCY	40-60 Hz
HYSTERESIS	3-15% (5% TYPICAL)
VOLTAGE DROP ACROSS CONDUCTING SENSOR	≤ 11.0 V at 100 mA
OUTPUT FUNCTION	NORMALLY OPEN 2-WIRE DC SELF-CONTAINED
SHORT-CIRCUIT PROTECTED	NO
CONTINUOUS LOAD CURRENT	≤ 100 mA
RESIDUAL CURRENT	≤ 1.7 μA
MINIMUM LOAD CURRENT	≥ 5.0 μA
INRUSH CURRENT	≤ 1.0 A (≤ 10 ms/5 Hz)
TIME DELAY BEFORE AVAILABILITY	≤ 8 ms
POWER-ON EFFECT	INCORPORATED
PROTECTION AGAINST TRANSIENTS	5 kV, 10 ms, 10 kΩ
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
RATED OPERATING DISTANCE	2 mm = .079" (NOMINAL)
SWITCHING FREQUENCY	20 Hz
REPEATABILITY	≤ 2% of RATED OPERATING DISTANCE
SHIELDED	YES



**SOURCE DRAWING - FOR REFERENCE ONLY**

NOTES:  
1. "/S516" DESIGNATES LED ON SIDE OF SENSOR BARREL.

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.		<div style="text-align: right;">           3000 CAMPUS DRIVE            MINNEAPOLIS, MN 55441            1-800-544-7769            (763) 553-7300            (763) 553-0708 fax            www.turck.us         </div>		
		MATERIAL PA 12-GF30 PLASTIC	DRFT RJP DATE 01/27/93			DESCRIPTION BI2-S12-AZ31X/S516
FINISH	ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY  CONTACT TURCK FOR MORE INFORMATION	APVD SCALE 1=2.0	UNIT OF MEASUREMENT <b>INCH [ MILLIMETER ]</b>		IDENTIFICATION NO. 1302095	REV E
DO NOT SCALE THIS DRAWING		FILE: 1302095		SHEET 1 OF 1		

E	UPDATE ID NUMBER PER HARMONIZATION PROJECT	CBM	11/06/17	
REV	DESCRIPTION	BY	DATE	ECO NO.