

WIRING DIAGRAMS

The diagram shows a sensor module on the left with a diamond-shaped symbol and a switch. It is connected to a circular terminal block with three terminals labeled 1, 2, and 3. Terminal 1 is connected to terminal 3 (labeled N.C. - Not Connected). Terminal 2 is connected to a line labeled L1. Terminal 3 is connected to a line labeled L2 through a switch labeled N.O. (Normally Open). A load is connected between L1 and L2.

OUTPUT: FZ3X2

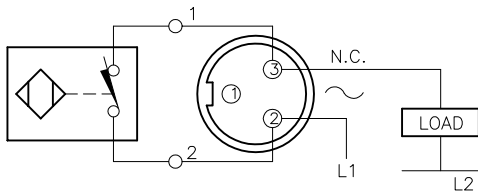
—OR—

The diagram shows a sensor module on the left with a diamond-shaped symbol and a switch. It is connected to a circular terminal block with three terminals labeled 1, 2, and 3. Terminal 1 is connected to terminal 3 (labeled N.C. - Not Connected). Terminal 2 is connected to a line labeled L1. Terminal 3 is connected to a line labeled L2 through a switch labeled N.O. (Normally Open). A load is connected between L1 and L2.

OUTPUT: FZ3X2

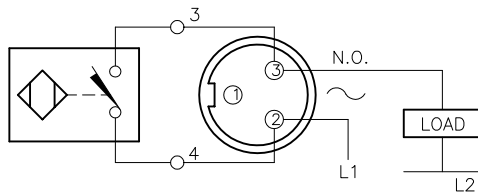
WARNING: NO SHORT-CIRCUIT PROTECTION.

ALWAYS WIRE A LOAD IN SERIES WITH THE SENSOR.



OUTPUT: FZ3X2

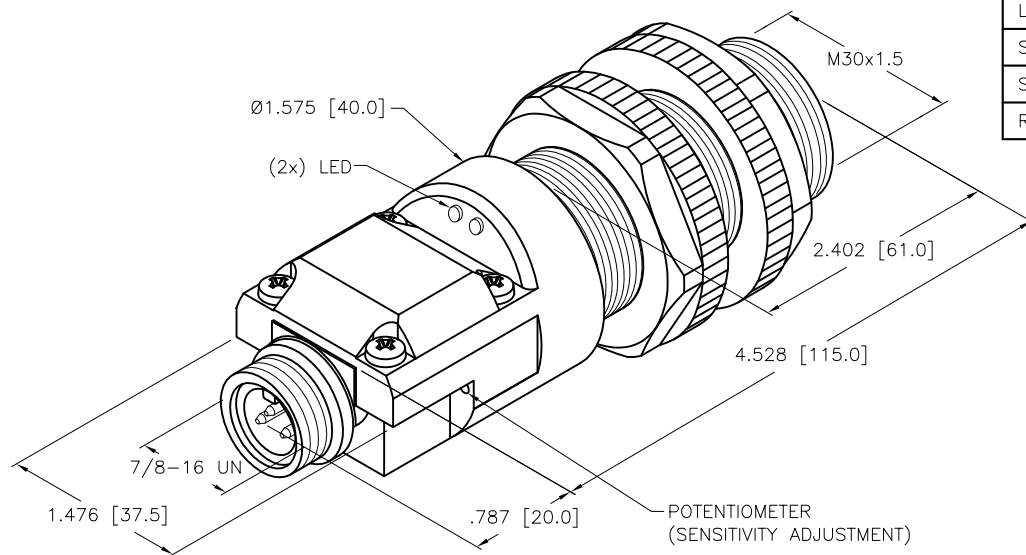
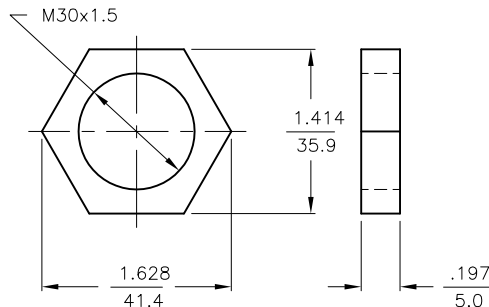
-OR-



OUTPUT: FZ3X2

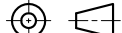
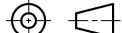
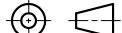
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Technical drawing of a hexagonal nut (LOCKNUT LN-P30). The drawing includes a front view (left) and a side view (right). The front view shows a hexagon with a central circular hole. Dimensions are provided for the hexagon's width (1.628 inches, 41.4 mm), the hole's diameter (1.414 inches, 35.9 mm), and the thread specification (M30x1.5). The side view shows the nut's profile with a height of .197 inches and 5.0 mm.



SPECIFICATIONS	
OPERATING VOLTAGE	20–250 VAC
LINE FREQUENCY	40–60 Hz
HYSTERESIS (DIFFERENTIAL TRAVEL)	2–20% (5% TYPICAL)
VOLTAGE DROP ACROSS CONDUCTING SENSOR	≤ 7.0 V at 500 mA
OUTPUT FUNCTION	CONNECTION PROGRAMMABLE NORMALLY OPEN OR NORMALLY CLOSED
SHORT-CIRCUIT PROTECTED	NO
CONTINUOUS LOAD CURRENT	≤ 500 mA
LEAKAGE (OFF-STATE) CURRENT	≤ 1.7 mA
MINIMUM LOAD CURRENT	≥ 5.0 mA
INRUSH CURRENT	≤ 8.0 A (≤ 10 ms/5 Hz)
TIME DELAY BEFORE AVAILABILITY	≤ 60 ms
POWER-ON EFFECT PROTECTION	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	GREEN: POWER ON RED: OUTPUT ENERGIZED
SENSING RANGE	10 mm = .394" (NOMINAL)
SWITCHING FREQUENCY	20 Hz
REPEATABILITY	≤ 2% of NOMINAL SENSING RANGE

SOURCE DRAWING - FOR REFERENCE ONLY

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 BRASS BARREL	ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY		DRFT	NF	DATE	02/23/17		DESCRIPTION BC10-P30SR-FZ3X2-B2131	
			APVD		SCALE	NONE			
FINISH COPPER/NICKEL/ CHROME PLATING	CONTACT TURCK FOR MORE INFORMATION		UNIT OF MEASUREMENT INCH [MILLIMETER]			IDENTIFICATION NO. 2310493		REV B	

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