

WIRING DIAGRAMS

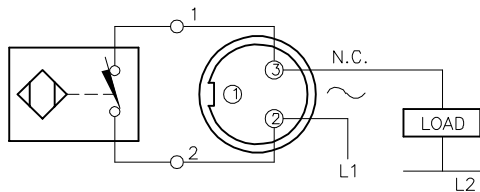
OUTPUT: FZ3X2

-OR-

OUTPUT: FZ3X2

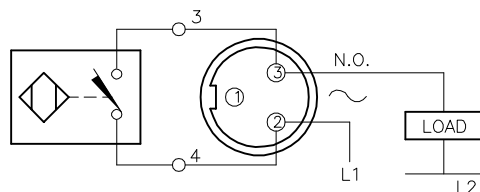
WARNING: NO SHORT-CIRCUIT PROTECTION.

ALWAYS WIRE A LOAD IN SERIES WITH THE SENSOR.



OUTPUT: FZ3X2

-OR-



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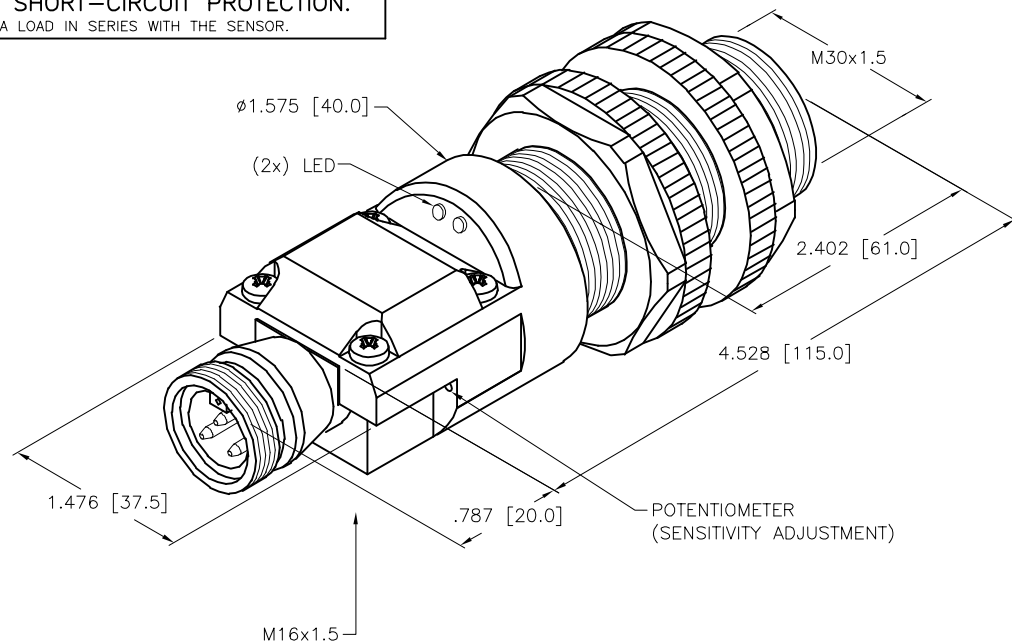
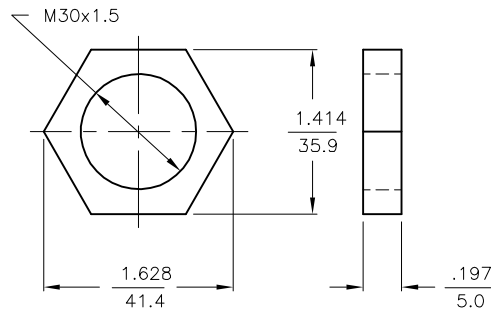
LOCKNUT LN-P30

M30x1.5

1.628
41.4

1.414
35.9

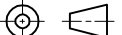
0.197
5.0



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

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SOURCE DRAWING - FOR REFERENCE ONLY

RELATED DOCUMENTS		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	
1. 2. 3. 4.									
MATERIAL		DRFT		RJP		DATE		5/14/93	
BRASS BARREL		APVD		MH		SCALE		NONE	
FINISH		ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY CONTACT TURCK FOR MORE INFORMATION		UNIT OF MEASUREMENT INCH [MILLIMETER] DO NOT SCALE THIS DRAWING		DESCRIPTION BC10-P30SR-FZ3X2-B1131			
COPPER/NICKEL/ CHROME PLATING									
						IDENTIFICATION NO.		2310490	
						FILE: 2310490		REV E	
								SHEET 1 OF 1	

E	UPDATE ID NUMBER PER HARMONIZATION PROJECT	CBM	01/02/18	
REV	DESCRIPTION	BY	DATE	ECO NO.