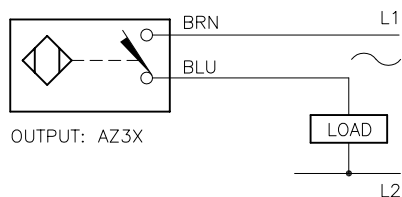
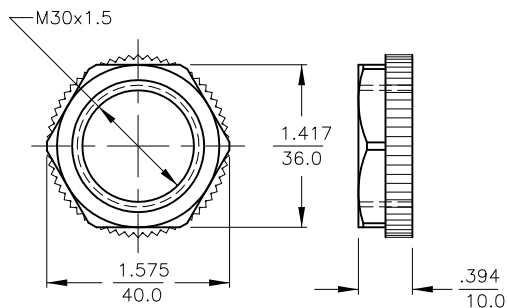


WIRING DIAGRAM



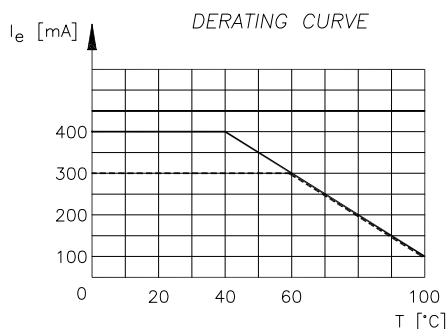
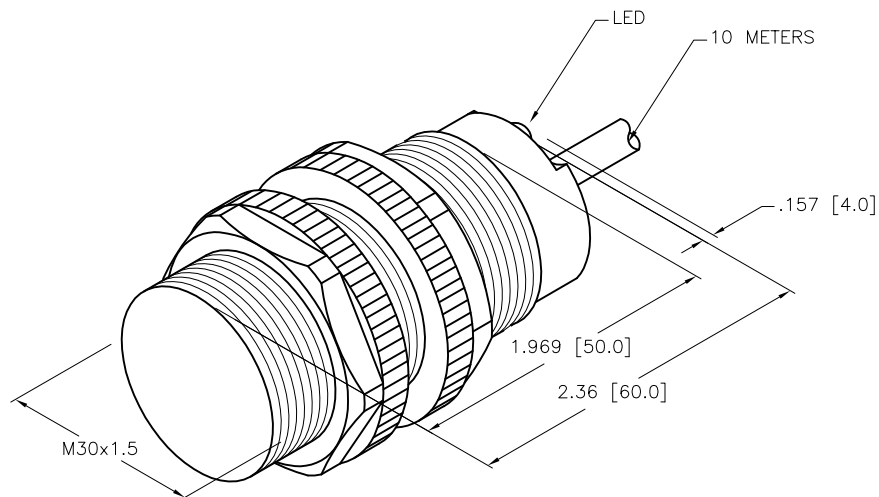
WARNING: NO SHORT-CIRCUIT PROTECTION
ALWAYS WIRE A LOAD IN SERIES WITH THE SENSOR.

LOCKNUT LN-P30



SPECIFICATIONS

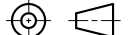
RATED OPERATING DISTANCE	10mm = .394" (NOMINAL)
MOUNTING MODE	FLUSH
TEMPERATURE DRIFT	≤±10% ≤±20%, ≥ +70°C
HYSTERESIS	3–15% (5% TYPICAL)
MIN. REPEAT ACCURACY	≤2%
OPERATING TEMPERATURE	–25°C to +100°C (–13°F to +212°F)
RATED OPERATIONAL VOLTAGE (AC/DC)	20–250 VAC/10–300 VDC
RATED OPERATIONAL CURRENT (AC)	≤ 400 mA
RATED OPERATIONAL CURRENT (DC)	≤ 300 mA
RATED OPERATIONAL CURRENT	SEE DERATING CURVE
MAINS FREQUENCY	50–60 Hz
RESIDUAL CURRENT	≤ 1.7 mA
RATED INSULATION VOLTAGE	≤ 1.5 kV
SURGE CURRENT	≤ 8.0 A (≤ 10 ms MAX. 5 Hz)
MAX. VOLTAGE DROP	≤ 6.0 V
OUTPUT FUNCTION	2–WIRE, NORMALLY OPEN
SMALLEST OPERATING CURRENT	≥ 3 mA
MAX. SWITCHING FREQUENCY	≤ 0.02 kHz
HOUSING MATERIAL	PLASTIC, PA12–GF20
ACTIVE FACE MATERIAL	PLASTIC, PA12–GF20
END CAP MATERIAL	PLASTIC, EPTR
CABLE	Ø5.2, PVC
VIBRATION RESISTANCE	55 Hz (IN ALL 3 PLANES)
SHOCK RESISTANCE	30 g, 11 ms
DEGREE OF PROTECTION	IP 67
SWITCHING STATUS INDICATION	LED, RED



NOTES:

1. "/S100" DESIGNATES SENSOR RATED TO 100°C (212°F).

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	ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY	DRFT	RDS	DATE	07/01/09	DESCRIPTION B110-S30-AZ3X/S100 10M		
		APVD		SCALE	1=1.3			
FINISH	CONTACT TURCK FOR MORE INFORMATION	UNIT OF MEASUREMENT INCH [MILLIMETER]				IDENTIFICATION NO.	REV	
		DO NOT SCALE THIS DRAWING				1371905	C	
		FILE: 1371905				SHEET 1 OF 1		

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