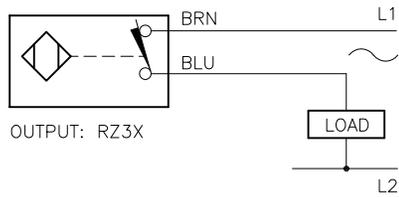
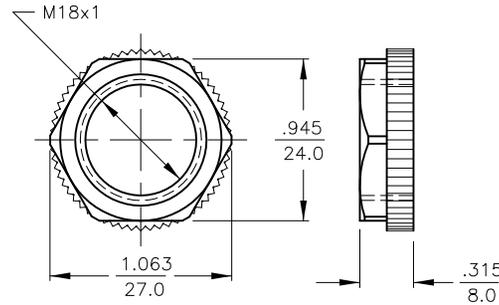


WIRING DIAGRAM



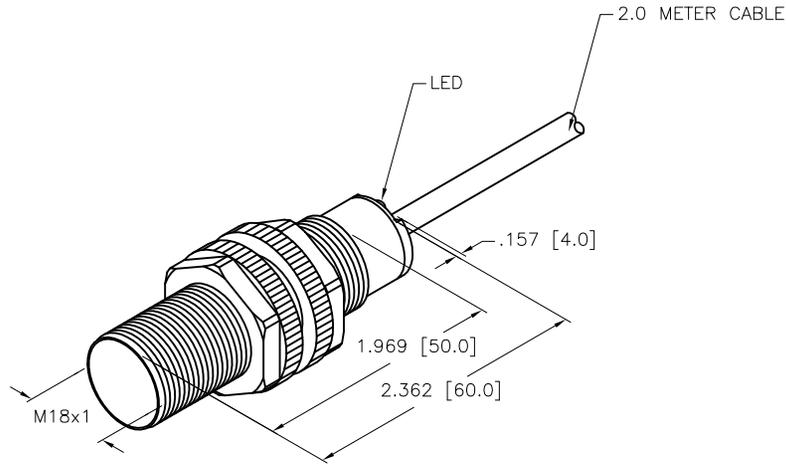
WARNING: NO SHORT-CIRCUIT PROTECTION
ALWAYS WIRE A LOAD IN SERIES WITH THE SENSOR.

LOCKNUT LN-P18



SPECIFICATIONS

RATED OPERATING DISTANCE	5 mm = .197" (NOMINAL)
MOUNTING MODE	FLUSH
HYSTERESIS	3-15%
REPEATABILITY	≤ 2%
TEMPERATURE DRIFT	≤ ±10%
OPERATING TEMPERATURE	-25°C to +100°C (-13°F to +212°F)
RATED OPERATING VOLTAGE	20-250 VAC/10-300 VDC
RATED OPERATIONAL CURRENT	≤ 400 mA AC/≤ 300 mA DC
FREQUENCY	50-60 Hz
RESIDUAL CURRENT	≤ 1.7 mA
RATED INSULATION VOLTAGE	≤ 1.5 kV
SURGE CURRENT	≤ 8.0 A (≤ 10ms MAX. 5Hz)
MAX. VOLTAGE DROP	≤ 6.0 V
OUTPUT FUNCTION	2-WIRE, NORMALLY CLOSED
SMALLEST OPERATING CURRENT	≥ 3.0 mA
MAX. SWITCHING FREQUENCY	≤ 0.02 kHz
HOUSING MATERIAL	PLASTIC, PA12-GF30
ACTIVE FACE MATERIAL	PLASTIC, PA12-GF30
END CAP MATERIAL	PLASTIC, EPTR
CABLE	ø5.2, PVC
VIBRATION RESISTANCE	55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)
SHOCK RESISTANCE	30 x g (11 ms)
DEGREE OF PROTECTION	IP67
SWITCHING STATUS INDICATION	LED, RED



SOURCE DRAWING - FOR REFERENCE ONLY

NOTES:

1. "/S100" DESIGNATES MAX. OPERATING TEMPERATURE OF +100°C (+212°F).

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.			DRFT	RDS	DATE 02/07/12	DESCRIPTION BI5-S18-RZ3X/S100	
2.			APVD	J.M.	SCALE 1=1.3		
3.		ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY	UNIT OF MEASUREMENT			IDENTIFICATION NO. 13760	REV B
4.			INCH [MILLIMETER]				
MATERIAL		SEE NOTES	CONTACT TURCK FOR MORE INFORMATION			DO NOT SCALE THIS DRAWING	
FINISH			SEE NOTES			FILE: 13760	
B	UPDATE ID NUMBER PER HARMONIZATION PROJECT	CBM	12/20/17			SHEET 1 OF 1	
REV	DESCRIPTION	BY	DATE	ECO NO.			