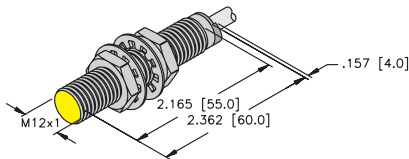
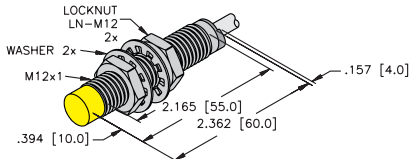
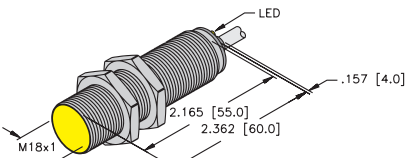
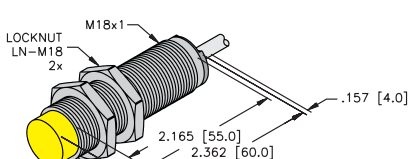
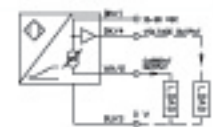
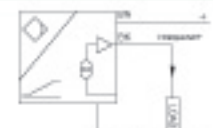
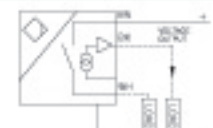
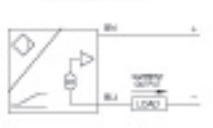


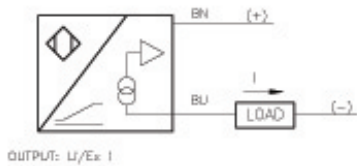
# Inductive - analog+ Sensors



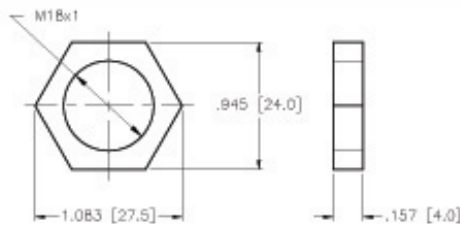
Housing Style	Part Number	ID Number	Features	Linear Operating Distance (mm)	Response Freq. (Hz)	Output
<b>12 mm - Embeddable, Potted-In Cable</b> 	Bi 2-M12-LIU	M1535534		1-2.5	200	4-Wire DC Current and Voltage
	Bi 4-M12-LIU	M1535532	<i>Ext. Range</i>	0.5-3	200	
<b>12 mm - Nonembeddable, Potted-In Cable</b> 	Ni 5-M12-LIU	M1535536		0.5-4	100	4-Wire DC Current and Voltage
<b>18 mm - Embeddable, Potted-In Cable</b> 	Bi 5-M18-LIU	M1536000		2-4	200	4-Wire DC Current and Voltage
	Bi 8-M18-LIU	M1535538	<i>Ext. Range</i>	1-5	200	
	Bi 8-M18-LF10	M1535529	<i>Ext. Range</i>	1-5	200	3-Wire DC Frequency Output
	Bi 8-M18-LUAP6X	M4615010	<i>Switch Point Adj.</i>	1-5	200	4-Wire DC Voltage
	Bi 8-M18-LI-EXI	M1535528	<i>Ext. Range</i>	1-5	200	2-Wire DC NAMUR Current
<b>18 mm - Nonembeddable, Potted-In Cable</b> 	Ni 8-M18-LIU	M1536100	<i>Ext. Range</i>	1-5	100	4-Wire DC Current and Voltage
	Ni 10-M18-LIU	M1535540	<i>Ext. Range</i>	1-7	100	

Voltage	Output Voltage/Current	Operating Temp. (°C)	Protection	Slew Rate V/ms, mA/ms	Housing	Face	Mating Cord, Cable Length, Mat.	Wiring Diagram #	Wiring Diagrams
15-30 VDC	0-10 V/0-20 mA	-10 to +70	IP 67	4, 8	CPB	PA 12	2M/PVC	1	<p><b>Diagram 1</b></p>  <p><b>Diagram 2</b></p>  <p><b>Diagram 3</b></p>  <p><b>Diagram 4</b></p> 
	0-10 V/0-20 mA	-10 to +70	IP 67	4, 8	CPB	PA 12	2M/PVC	1	
15-30 VDC	0-10 V/0-20 mA	-10 to +70	IP 67	2, 4	CPB	PA 12	2M/PVC	1	
15-30 VDC	0-10 V/0-20 mA	-10 to +70	IP 67	4, 8	CPB	PA 12	2M/PVC	1	
15-30 VDC	1-10 kHz	-10 to +70	IP 67	N/A	CPB	PA 12	2M/PVC	2	
15-30 VDC	0-10 V	-10 to +70	IP 67	N/A, 8	CPB	PA 12	2M/PVC	3	
14-30 VDC	4-20 mA	-10 to +70	IP 67	N/A, 8	CPB	PA 12	2M/PVC	4	
15-30 VDC	0-10 V/0-20 mA	-10 to +70	IP 67	2, 4	CPB	PA 12	2M/PVC	1	
	0-10 V/0-20 mA	-10 to +70	IP 67	2, 4	CPB	PA 12	2M/PVC	1	

WIRING DIAGRAM

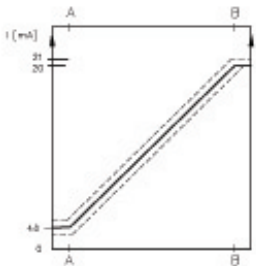
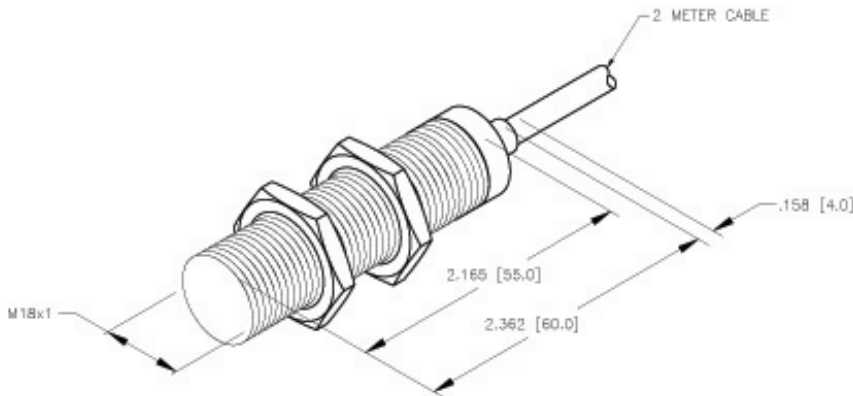


LOCKNUT LN-M18



SPECIFICATIONS

MEASURING RANGE [A..B]	1.0-5.0 mm
MIN. REPEAT ACCURACY	±1% OF MEASURING RANGE [A-B] ±0.5%, AFTER A HEATING PERIOD OF 0.5 H
LINEARITY TOLERANCE	± 5% OF FINAL VALUE
MAX. RELATIVE TEMPERATURE DRIFT	± ±.05%/°C
OPERATING TEMPERATURE	-10°C to +70°C (-14°F to +158°F)
OPERATING VOLTAGE	14-30 VDC
RIPPLE	±10%
RATED INSULATION VOLTAGE	≤ 0.5 kV
OUTPUT FUNCTION	2-WIRE, ANALOG
SHORT-CIRCUIT PROTECTED	YES
WIRE-BREAK PROTECTED	INCORPORATED
CURRENT OUTPUT	4-20 mA
CURRENT OUTPUT LOAD RESISTOR	≤ [(U <sub>B</sub> -14V)/20mA] kΩ
READING RATE FREQUENCY	200 Hz
HOUSING MATERIAL	METAL, CHROME-PLATED BRASS
ACTIVE FACE	PLASTIC, PA12-GF30
CABLE/JACKET MATERIAL/LENGTH	Ø5.2, PVC, 2.0 METERS
VIBRATION RESISTANCE	55 Hz (IN ALL 3 PLANES)
SHOCK RESISTANCE	30 g, 11 ms
DEGREE OF PROTECTION	IP 67



RELATED DOCUMENTS 1. 2. 3. 4.	3RD ANGLE PROJECTION 	THIS DRAWING IS PROPERTY OF TURCK INC. USE OF THIS DOCUMENT WITHOUT WRITTEN PERMISSION IS PROHIBITED.		<b>TURCK INC</b> High Technology Sensors and Automation Controls	
MATERIAL	TOLERANCES UNLESS OTHERWISE SPECIFIED	DWGT RDS	DATE 03/07/03	DESCRIPTION Bi B-M18-Li/Ex i	
FRESH	±0.0394 in (±1.00 mm)	USDR	SCALE 1=1.5	IDENTIFICATION NO. M1535528	REV A
A DRAWING RELEASE		RDS 03/07/03		DO NOT SCALE THIS DRAWING	
REV	DESCRIPTION	BY	DATE	EDO NO.	FILE: M1535528 SHEET 1 OF 1