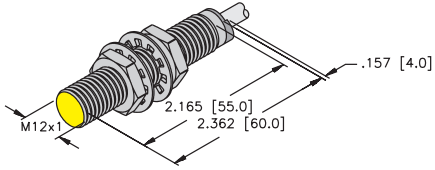
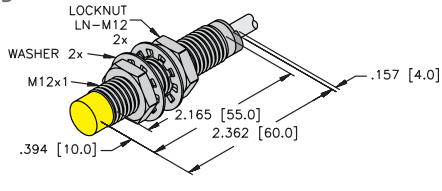
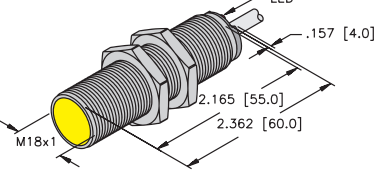
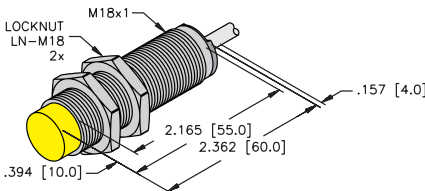
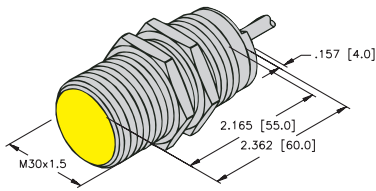
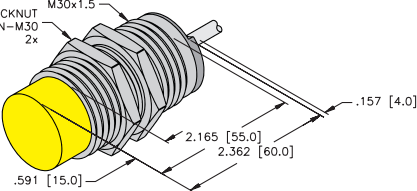
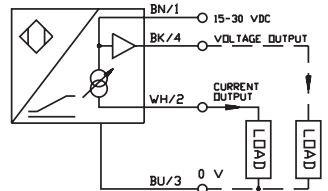
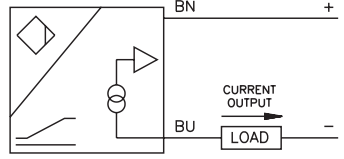


Analog Sensors | M12, M18, & M30

Threaded Barrel Styles with Cable

Housing Style	Dimension Drawings	
	A  12 mm - Embeddable, Potted-In Cable	B  12 mm - Nonembeddable, Potted-In Cable
C  18 mm - Embeddable, Potted-In Cable	D  18 mm - Nonembeddable, Potted-In Cable	E  30 mm - Embeddable, Potted-In Cable
F  30 mm - Nonembeddable, Potted-In Cable		

We reserve the right to make technical alterations without prior notice.

Wiring Diagrams/Mating Cordsets	
1 	2 

A7 3 and 4-wire DC Analog - (LIU, SIU)	
Ripple: $\leq 10\%$ No-Load Current: $\leq 8.0 \text{ mA}$ Load Resistance Voltage Output: $0-10 \text{ V/R}_L \geq 4.7 \text{ k}\Omega$ Load Resistance Current Output: $0-20 \text{ mA/R}_L \leq 0.4 \text{ k}\Omega$ Temperature Drift: $\pm 0.06\% / ^\circ\text{C}$ LIU5: $4-20 \text{ mA}, 0-10 \text{ V}$ LIU2: $4-20 \text{ mA}, 2-10 \text{ V}$	Transient Protection: Per EN 60947-5-2 Shock: $30 \text{ g}, 11 \text{ ms}$ Vibration: $55 \text{ Hz}, 1 \text{ mm}$ Amplitude, in all 3 Planes Repeatability: $\leq 1\%$ of measuring range A-B (0.5% after 30 min. warm up) Short-Circuit Protection: Yes Reverse Polarity Protection: Incorporated
A9 2-wire DC Analog NAMUR - (LI-EXI)	
Ripple: $\leq 10\%$ Current Output: $4-20 \text{ mA}$ Nominal Voltage: $8.2 \text{ VDC (EN60947-5-6)}$ Power-On Effect: Realized in Amplifier Reverse Polarity Protection: Incorporated Wire-Break Protection: No Transient Protection: Realized in Amplifier	Temperature Drift: $\leq \pm 0.06\% / ^\circ\text{C}$ Shock: $30 \text{ g}, 11 \text{ ms}$ Vibration: $55 \text{ Hz}, 1 \text{ mm}$ Amplitude, in all 3 Planes Repeatability: $\leq 1\%$ of measuring range A-B (0.5% after 30 min. warm up)

Analog Sensors | M12, M18, & M30

Threaded Barrel Styles with Cable

Part Number/ ID Number	Features	Measuring Range (mm)	Response Freq. (Hz)	Linearity Deviation (% of full scale)	Output	Voltage	Output Voltage/ Current	Operating Temp. (°C)	Protection	Slew Rate V/ms, mA/ms	Housing	Face	Cable Length/Jacket	Dimension Drawings	Wiring Diagrams	Spec List
Bi4-M12-LIU 1535532	Ext. Range	0.5- 3	200	0.05	4-wire DC Current or Voltage	15-30 VDC	0-10 V/0-20 mA	-10 to +70	IP67	4, 8	CPB	PA 12	2M/ PVC	A	1	A7
Ni5-M12-LIU 1535536		0.5- 4	100	0.05	4-wire DC Current or Voltage	15-30 VDC	0-10 V/0-20 mA	-10 to +70	IP67	2, 4	CPB	PA 12	2M/ PVC	B	1	A7
Bi5-M18-LIU 1536000		2-4	200	0.03	4-wire DC Current or Voltage	15-30 VDC	0-10 V/0-20 mA	-10 to +70	IP67	4, 8	CPB	PA 12	2M/ PVC	C	1	A7
Bi8-M18-LIU 1535538	Ext. Range	1-5	200	0.05	4-wire DC Current or Voltage	15-30 VDC	0-10 V/0-20 mA	-10 to +70	IP67	4, 8	CPB	PA 12	2M/ PVC	C	1	A7
Bi8-M18-LI-EXI 1535528	Ext. Range, Use Barriers IM33-11EX-HI or IM43-13-SR	1-5	200	0.05	2-wire DC Current	14-30 VDC	4-20 mA	-10 to +70	IP67	N/A, 8	CPB	PA 12	2M/ PVC	C	2	A9
Ni8-M18-LIU 1536100	Ext. Range	1-5	100	0.03	4-wire DC Current or Voltage	15-30 VDC	0-10 V/0-20 mA	-10 to +70	IP67	2, 4	CPB	PA 12	2M/ PVC	D	1	A7
Ni10-M18-LIU 1535540	Ext. Range	1-7	100	0.05	4-wire DC Current or Voltage	15-30 VDC	0-10 V/0-20 mA	-10 to +70	IP67	2, 4	CPB	PA 12	2M/ PVC	D	1	A7
Bi10-M30-LIU 1535500		3-8	140	0.03	4-wire DC Current or Voltage	15-30 VDC	0-10 V/0-20 mA	-10 to +70	IP67	2.8, 5.6	CPB	PA 12	2M/ PVC	E	1	A7
Bi15-M30-LIU 1535543	Ext. Range	2-10	140	0.05	4-wire DC Current or Voltage	15-30 VDC	0-10 V/0-20 mA	-10 to +70	IP67	2.8, 5.6	CPB	PA 12	2M/ PVC	E	1	A7
Bi15-M30-LI-EXI 1535554	Ext. Range, Use Barriers IM33-11EX-HI or IM43-13-SR	2-10	140	0.05	2-wire DC Current	14-30 VDC	4-20 mA	-10 to +70	IP67	N/A, 4.48	CPB	PA 12	2M/ PVC	E	2	A9
Ni15-M30-LIU 1535300	Ext. Range	2-12	60	0.03	4-wire DC Current or Voltage	15-30 VDC	0-10 V/0-20 mA	-10 to +70	IP67	1.2, 2.4	CPB	PA 12	2M/ PVC	F	1	A7

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Analog Sensors