
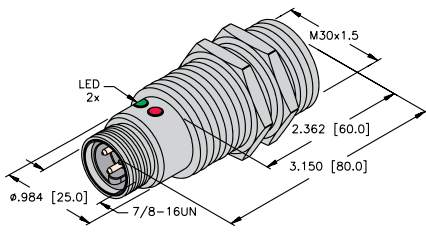
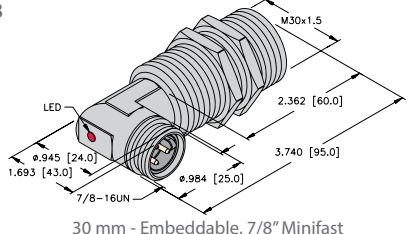
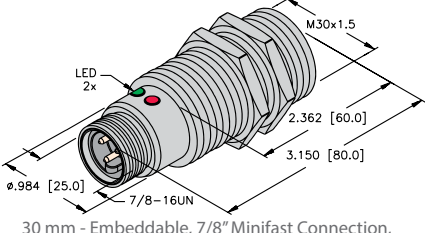
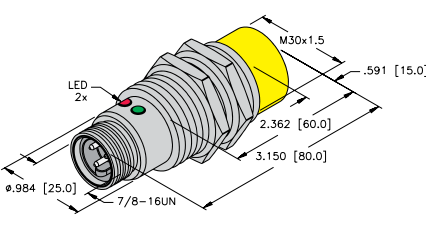
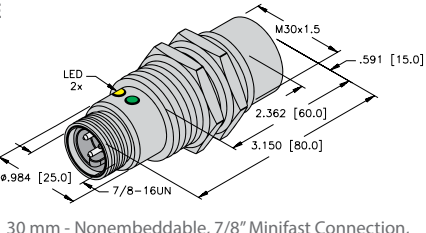
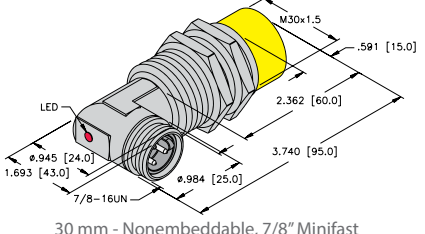


Inductive Barrel Sensors | 30 mm

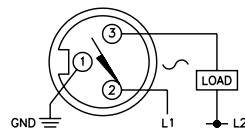
Threaded Metal Barrels with Connector and AC/DC Outputs

Housing Style	Dimension Drawings	
	<p>A</p>  <p>30 mm - Embeddable, 7/8" Minifast Connection</p>	<p>B</p>  <p>30 mm - Embeddable, 7/8" Minifast Right Angle Connection</p>
<p>C</p>  <p>30 mm - Embeddable, 7/8" Minifast Connection, PTFE Coated</p>	<p>D</p>  <p>30 mm - Nonembeddable, 7/8" Minifast Connection</p>	<p>E</p>  <p>30 mm - Nonembeddable, 7/8" Minifast Connection, PTFE Coated</p>
<p>F</p>  <p>30 mm - Nonembeddable, 7/8" Minifast Right Angle Connection</p>		

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

Wiring Diagrams/Mating Cordsets

1



Mating Cordset: RKM 30-*M; RKM 311-*M/S600

A5 2-wire AC/DC w/ Short-Circuit Protection - (ADZ, RDZ, FDZ, VDZ)		
<p>Line Frequency: $\geq 50... \leq 60$ Hz</p> <p>Differential Travel (Hysteresis): 3-15% (5% typical)</p> <p>Voltage Drop Across Conducting Sensor: ≤ 6.0 V</p> <p>Trigger Current for Short Circuit Protection: AC: ≥ 440 mA; DC: ≥ 330 mA</p> <p>Continuous Load Current: AC: ≤ 400 mA; DC: ≤ 300 mA</p> <p>Off-State (Leakage) Current: ≤ 1.7 mA (AC)</p> <p>≤ 1.5 mA (DC)</p>	<p>Minimum Load Current: ≥ 3.0 mA</p> <p>Inrush Current: ≤ 3 A (≤ 20 ms, max 5 Hz)</p> <p>Power-On Effect: Per IEC 947-5-2</p> <p>Transient Protection: Per EN 60947-5-2</p> <p>Shock: 30 g, 11 ms</p> <p>Vibration: 55 Hz, 1 mm Amplitude, in all 3 Planes</p> <p>Repeatability: $\leq 2\%$ of Rated Operating Distance</p>	
A6 2-wire AC/DC w/o Short-Circuit Protection - (AZ, RZ, FZ)		
<p>Line Frequency: $\geq 50... \leq 60$ Hz</p> <p>Differential Travel (Hysteresis): 3-15% (5% typical)</p> <p>Voltage Drop Across Conducting Sensor: ≤ 6.0 V</p> <p>Continuous Load Current: AC: ≤ 400 mA; DC: ≤ 300 mA</p> <p>Off-State (Leakage) Current: ≤ 1.7 mA</p> <p>Minimum Load Current: ≥ 3.0 mA</p>	<p>Inrush Current: ≤ 8 A (≤ 10ms max. 5 Hz)</p> <p>≤ 1 A (≤ 10 ms max. 5 Hz) 12 mm</p> <p>≤ 0.2 A (≤ 10 ms max. 0.2 Hz) 8 mm</p> <p>Power-On Effect: Per IEC 947-5-2</p> <p>Transient Protection: Per EN 60947-5-2</p> <p>Shock: 30 g, 11 ms</p> <p>Vibration: 55 Hz, 1 mm Amplitude, in all 3 Planes</p> <p>Repeatability: $\leq 2\%$ of Rated Operating Distance</p>	



Inductive Barrel Sensors | 30 mm

Threaded Metal Barrels with Connector and AC/DC Outputs

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Part Number/ ID Number	Features	Sensing Range (mm)	Output	Voltage	Switching Freq. (Hz)	Operating Current (mA)	Operating Temp. (°C)	Protection	Housing	Face	Power LED	Output LED	Dimension Drawings	Wiring Diagrams	Spec List
Bi15-G30-ADZ30X2-B1131 4207202	Extended Range	15	2-wire AC/DC Short-Circuit Protected	20-250 VAC/10- 300 VDC	20	≤400/300	-25 to +70	IP67	CPB	PA 12	GN	RD	A	1	A5
Bi15-EG30H-ADZ30X2-B1131 4207292	Ext. Range, Stoneface	15	2-wire AC/DC Short-Circuit Protected	20-250 VAC/10- 300 VDC	20	≤400/300	-25 to +70	IP67	SS	SF	GN	RD	A	1	A5
Bi10U-G30-ADZ30X2-B1131 4281612	Uprox	10	2-wire AC/DC Short-Circuit Protected	20-250 VAC/10- 300 VDC	10	≤400/300	-30 to +85	IP67	CPB	PBT	GN	YE	A	1	A5
Bi10-GT30-ADZ30X2-B1131/S34/S1589 4255280	PTFE, WFI, Weldguard	10	2-wire AC/DC Short-Circuit Protected	20-250 VAC/10- 300 VDC	20	≤400/300	-25 to +70	IP67	TC	WG	GN	RD	C	1	A5
Bi10-G30-ADZ30X2-B1131 42075		10	2-wire AC/DC Short-Circuit Protected	20-250 VAC/10- 300 VDC	20	≤400/300	-25 to +70	IP67	CPB	PA 12	GN	RD	A	1	A5
Bi10-GT30-ADZ30X2-B1131/S34 4256200	PTFE, WFI	10	2-wire AC/DC Short-Circuit Protected	20-250 VAC/10- 300 VDC	20	≤400/300	-25 to +70	IP67	TC	TC	GN	RD	C	1	A5
Bi10-GT30-ADZ30X2-B1131 4256290	PTFE	10	2-wire AC/DC Short-Circuit Protected	20-250 VAC/10- 300 VDC	20	≤400/300	-25 to +70	IP67	TC	TC	GN	RD	C	1	A5
Bi10-G30-AZ3X-B1131 43722		10	2-wire AC/DC	20-250 VAC/10- 300 VDC	20	≤400/300	-25 to +70	IP67	CPB	PA 12	N/A	RD	A	1	A6
Bi10-G30-AZ3X-B1431 43726		10	2-wire AC/DC	20-250 VAC/10- 300 VDC	20	≤400/300	-25 to +70	IP67	CPB	PA 12	N/A	RD	B	1	A6
Bi10U-GT30-ADZ30X2-B1131 4281622	Uprox, PTFE	10	2-wire AC/DC Short-Circuit Protected	20-250 VAC/10- 300 VDC	10	≤400/300	-30 to +85	IP67	TC	TC	GN	YE	C	1	A5
Ni20U-G30-ADZ30X2-B1131 4281812	Uprox	20	2-wire AC/DC Short-Circuit Protected	20-250 VAC/10- 300 VDC	10	≤400/300	-30 to +85	IP67	CPB	PBT	GN	YE	D	1	A5
Ni20U-GT30-ADZ30X2-B1131 4281822	Uprox	20	2-wire AC/DC Short-Circuit Protected	20-250 VAC/10- 300 VDC	10	≤400/300	-30 to +85	IP67	TC	TC	GN	YE	E	1	A5
Ni20-G30-ADZ30X2-B1131 4205405	Extended Range	20	2-wire AC/DC Short-Circuit Protected	20-250 VAC/10- 300 VDC	20	≤400/300	-25 to +70	IP67	CPB	PA 12	GN	RD	D	1	A5
Ni15-G30-AZ3X-B1131 43723		15	2-wire AC/DC	20-250 VAC/10- 300 VDC	20	≤400/300	-25 to +70	IP67	CPB	PA 12	N/A	RD	D	1	A6
Ni15-G30-AZ3X-B1431 4372700		15	2-wire AC/DC	20-250 VAC/10- 300 VDC	20	≤400/300	-25 to +70	IP67	CPB	PA 12	N/A	RD	F	1	A6

Inductive Barrel Sensors

