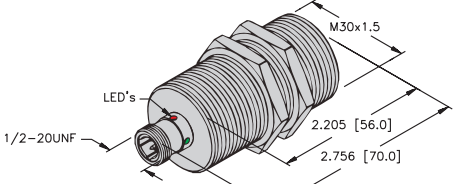
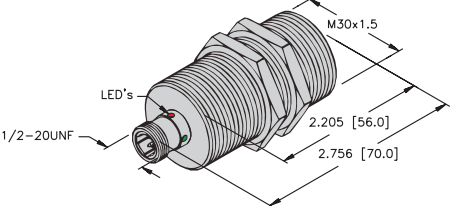
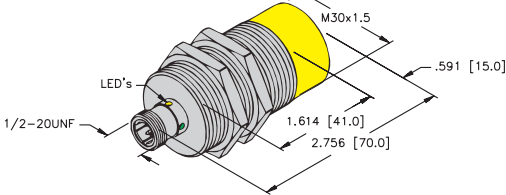
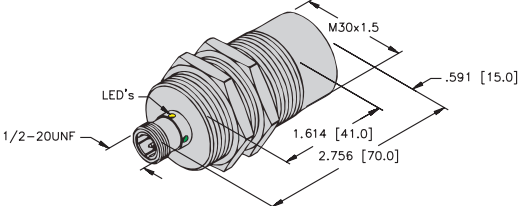
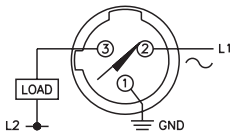


Inductive Barrel Sensors | 30 mm

Threaded Metal Barrels with Connector and AC/DC Outputs

Housing Style	Dimension Drawings
	A  30 mm - Embeddable, 1/2" Microfast Connection
B  30 mm - Embeddable, 1/2" Microfast Connection, PTFE Coated	C  30 mm - Nonembeddable, 1/2" Microfast Connection
D  30 mm - Nonembeddable, 1/2" Microfast Connection, PTFE Coated	
Wiring Diagrams/Mating Cordsets	
1  Mating Cordset: KB 3T-*, KBE 3T-*/S600	
A5 2-wire AC/DC w/ Short-Circuit Protection - (ADZ, RDZ, FDZ, VDZ)	
Line Frequency: $\geq 50... \leq 60$ Hz Differential Travel (Hysteresis): 3-15% (5% typical) Voltage Drop Across Conducting Sensor: ≤ 6.0 V Trigger Current for Short Circuit Protection: AC: ≥ 440 mA; DC: ≥ 330 mA Continuous Load Current: AC: ≤ 400 mA; DC: ≤ 300 mA Off-State (Leakage) Current: ≤ 1.7 mA (AC) ≤ 1.5 mA (DC)	Minimum Load Current: ≥ 3.0 mA Inrush Current: ≤ 3 A (≤ 20 ms, max 5 Hz) Power-On Effect: Per IEC 947-5-2 Transient Protection: Per EN 60947-5-2 Shock: 30 g, 11 ms Vibration: 55 Hz, 1 mm Amplitude, in all 3 Planes Repeatability: $\leq 2\%$ of Rated Operating Distance
A6 2-wire AC/DC w/o Short-Circuit Protection - (AZ, RZ, FZ)	
Line Frequency: $\geq 50... \leq 60$ Hz Differential Travel (Hysteresis): 3-15% (5% typical) Voltage Drop Across Conducting Sensor: ≤ 6.0 V Continuous Load Current: AC: ≤ 400 mA; DC: ≤ 300 mA Off-State (Leakage) Current: ≤ 1.7 mA Minimum Load Current: ≥ 3.0 mA	Inrush Current: ≤ 8 A (≤ 10 ms max. 5 Hz) ≤ 1 A (≤ 10 ms max. 5 Hz) 12 mm ≤ 0.2 A (≤ 10 ms max. 0.2 Hz) 8 mm Power-On Effect: Per IEC 947-5-2 Transient Protection: Per EN 60947-5-2 Shock: 30 g, 11 ms Vibration: 55 Hz, 1 mm Amplitude, in all 3 Planes Repeatability: $\leq 2\%$ of Rated Operating Distance

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Inductive Barrel Sensors | 30 mm

Threaded Metal Barrels with Connector and AC/DC Outputs

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-B3131 4207201	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-B3131 4207284	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-B3131 4281613	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
Bi10U-GT30-ADZ30X2-B3131 4281623	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	B	1	A5
Bi10-G30-ADZ30X2-B3131 4207591		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-B3131/S34 4256203	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	B	1	A5
Bi10-GT30H-ADZ30X2-B3131/S34 4256094	WFI, Stoneface	10	2-wire AC/DC Short-Circuit Protected	20-250 VAC/10-300 VDC	20	≤400/300	-25 to +70	IP67	TC	SF	GN	RD	B	1	A5
Bi10-G30-AZ3X-B3131 4372298		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
Ni20U-G30-ADZ30X2-B3131 4281813	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	C	1	A5
Ni20U-GT30-ADZ30X2-B3131 4281823	Uprox, PTFE	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	D	1	A5
Ni20-G30-ADZ30X2-B3131 4205406	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	C	1	A5
Ni15-G30-AZ3X-B3131 1306090		15	2-wire AC/DC	20-250 VAC/10-300 VDC	20	≤400/300	-25 to +70	IP67	CPB	PA 12	N/A	RD	C	1	A6

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