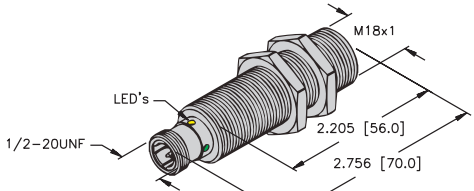
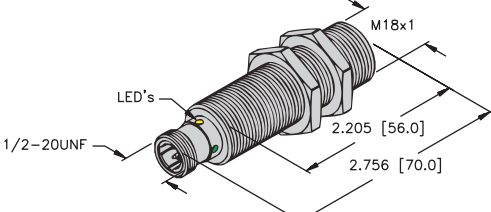
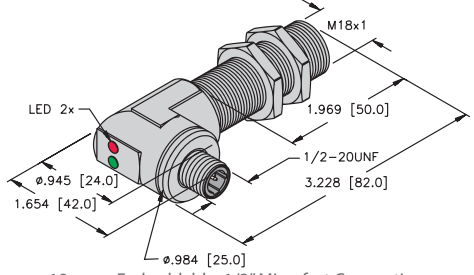
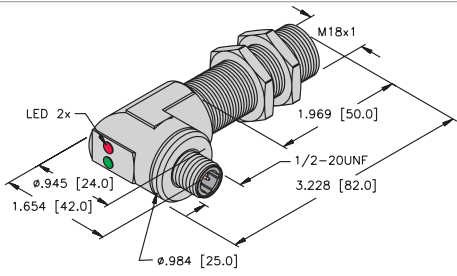


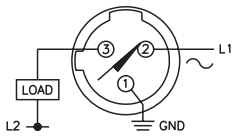
Inductive Barrel Sensors | 18 mm

Embeddable Fully Threaded Metal Barrels with Connector and AC/DC Outputs

Housing Style	Dimension Drawings
	A  18 mm - Embeddable, 1/2" Microfast Connection
B  18 mm - Embeddable, 1/2" Microfast Connection, PTFE Coated	C  18 mm - Embeddable, 1/2" Microfast Connection
D  18 mm - Embeddable, 1/2" Microfast Right Angle Connection, PTFE Coated	

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

Wiring Diagrams/Mating Cordsets

1	 Mating Cordset: KB 3T-*, KBE 3T-*/S600
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A5	2-wire AC/DC w/ Short-Circuit Protection - (ADZ, RDZ, FDZ, VDZ)	
	Line Frequency: $\geq 50 \dots \leq 60$ 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: $\geq 50 \dots \leq 60$ 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

Inductive Barrel Sensors | 18 mm

Embeddable Fully 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
Bi8-G18-ADZ30X2-B3331 4209301	Extended Range	8	2-wire AC/DC Short-Circuit Protected	20-250 VAC/10-300 VDC	20	≤400/300	-25 to +70	IP67	SS	PA 12	GN	RD	A	1	A5
Bi5U-G18-ADZ30X2-B3331 4281213	Uprox	5	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
Bi5U-GT18-ADZ30X2-B3331 4281223	Uprox, PTFE	5	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
Bi5-G18-ADZ30X2-B3331 4208092		5	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
Bi5-GT18-ADZ30X2-B3331 4255491	PTFE	5	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
Bi5-GT18-ADZ30X2-B3331/S34 4255400	PTFE, WFI	5	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
Bi5-GT18H-ADZ30X2-B3331/S34 4255289	PTFE, WFI, Stoneface	5	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
Bi5-GT18H-ADZ30X2-B3331/S34/S1589 4255283	PTFE, WFI, Weldguard	5	2-wire AC/DC Short-Circuit Protected	20-250 VAC/10-300 VDC	20	≤400/300	-25 to +70	IP67	TC	WG	GN	RD	B	1	A5
Bi5-GT18-ADZ30X2-B3431/S34 4255605	PTFE, WFI	5	2-wire AC/DC Short-Circuit Protected	20-250 VAC/10-300 VDC	20	≤400/300	-25 to +70	IP67	TC	TC	GN	RD	D	1	A5
Bi5-G18-AZ3X-B3331 4372098		5	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
Bi5-G18-AZ3X-B3431 4372090		5	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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