
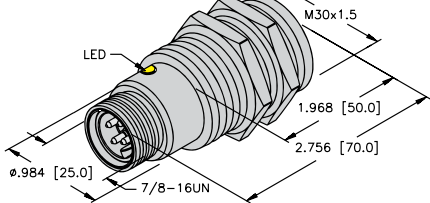
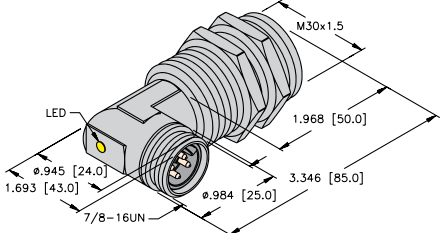
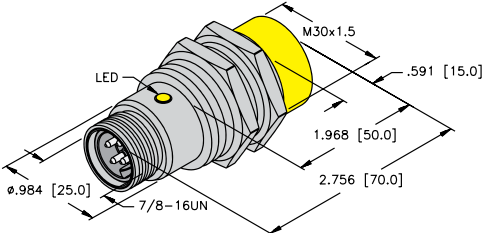
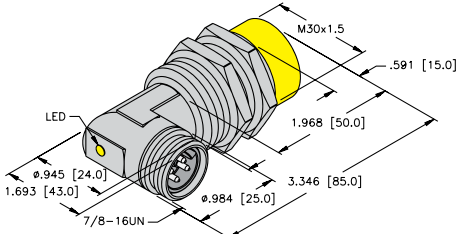
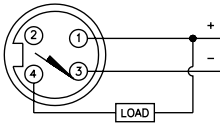
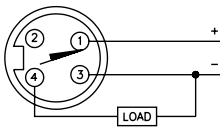


Inductive Barrel Sensors | 30 mm

Threaded Metal Barrels with Connector and 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 - Nonembeddable, 7/8" Minifast Connection</p>
<p>D</p>  <p>30 mm - Nonembeddable, Right Angle 7/8" Minifast Connection</p>	
Wiring Diagrams/Mating Cordsets	
<p>1</p>  <p>Mating Cordset: RKM 40-*M</p>	<p>2</p>  <p>Mating Cordset: RKM 40-*M</p>
A4 3 and 4-wire DC - (AN, RN, AP, RP, VN, VP)	
<p>Ripple: $\leq 10\%$</p> <p>Differential Travel (Hysteresis): 3-15% (5% typical)</p> <p>Voltage Drop Across Conducting Sensor: $\leq 1.8\text{ V}$</p> <p>Trigger Current for Short Circuit Protection: $\geq 220\text{ mA}$ on 200 mA Load Current $\geq 170\text{ mA}$ on 150 mA Load Current $\geq 120\text{ mA}$ on 100 mA Load Current</p> <p>Off-State (Leakage) Current: $\leq 0.1\text{ mA}$</p> <p>No-Load Current: $\leq 15\text{ mA}$ (Ferrite, Uprox) $\leq 20\text{ mA}$ (Uprox+, Uprox3)</p>	<p>Time Delay Before Availability: $\leq 8\text{ ms}$</p> <p>Power-On Effect: Per IEC 947-5-2</p> <p>Reverse Polarity Protection: Incorporated</p> <p>Wire-Break Protection: Incorporated</p> <p>Transient Protection: Per EN 60947-5-2</p> <p>Temperature Drift: $\leq \pm 10\%$</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>

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



Inductive Barrel Sensors | 30 mm

Threaded Metal Barrels with Connector and DC Outputs

Part Number/ ID Number	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
Bi10-G30-AN6X-B1141 46954	10	3-wire DC NPN	10-30 VDC	500	≤200	-25 to +70	IP67	CPB	PA 12	N/A	YE	A	1	A4
Bi10-G30-AP6X-B1141 46965	10	3-wire DC PNP	10-30 VDC	500	≤200	-25 to +70	IP67	CPB	PA 12	N/A	YE	A	2	A4
Bi10-G30-AN6X-B1441 46958	10	3-wire DC NPN	10-30 VDC	500	≤200	-25 to +70	IP67	CPB	PA 12	N/A	YE	B	1	A4
Bi10-G30-AP6X-B1441 46969	10	3-wire DC PNP	10-30 VDC	500	≤200	-25 to +70	IP67	CPB	PA 12	N/A	YE	B	2	A4
Ni15-G30-AN6X-B1141 46955	15	3-wire DC NPN	10-30 VDC	500	≤200	-25 to +70	IP67	CPB	PA 12	N/A	YE	C	1	A4
Ni15-G30-AP6X-B1141 46966	15	3-wire DC PNP	10-30 VDC	500	≤200	-25 to +70	IP67	CPB	PA 12	N/A	YE	C	2	A4
Ni15-G30-AN6X-B1441 4695590	15	3-wire DC NPN	10-30 VDC	500	≤200	-25 to +70	IP67	CPB	PA 12	N/A	YE	D	1	A4
Ni15-G30-AP6X-B1441 46970	15	3-wire DC PNP	10-30 VDC	500	≤200	-25 to +70	IP67	CPB	PA 12	N/A	YE	D	2	A4

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

Inductive Barrel Sensors

