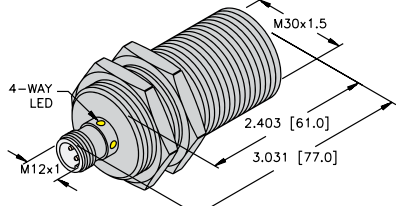
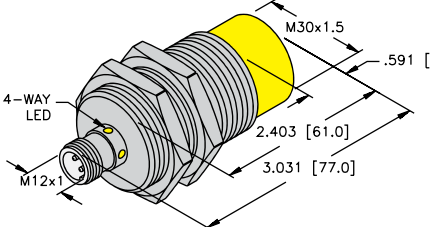
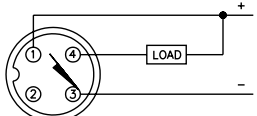
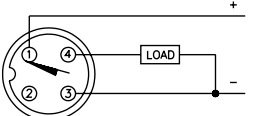
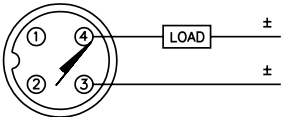
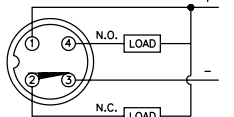
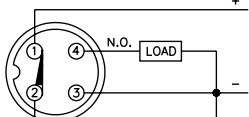


Inductive Barrel Sensors | 30 mm

Threaded Metal Barrels with Connector and DC Outputs

Housing Style	Dimension Drawings
	A  30 mm - Embeddable, M12 Eurofast Connection, Extended Barrel Length
B  30 mm - Nonembeddable, M12 Eurofast Connection, Extended Barrel Length	
Wiring Diagrams/Mating Cordsets	
1  Mating Cordset: RK 4T-*	2  Mating Cordset: RK 4.23T-*
3  Mating Cordset: RK 4.2T-*	4  Mating Cordset: RK 4.4T-*
5  Mating Cordset: RK 4.4T-*	
A2 2-wire DC - (AD, RD, AG)	
Ripple: ≤10% Differential Travel (Hysteresis): 3-15% (5% typical) Voltage Drop Across Conducting Sensor: Non-polarized (AD) <5.0 V Trigger Current for Short Circuit Protection: ≥120 mA Minimum Load Current: ≥3.0 mA	Off-State (Leakage) Current: ≤0.8 mA 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: ≤2% of Rated Operating Distance
A4 3 and 4-wire DC - (AN, RN, AP, RP, VN, VP)	
Ripple: ≤10% Differential Travel (Hysteresis): 3-15% (5% typical) Voltage Drop Across Conducting Sensor: ≤1.8 V Trigger Current for Short Circuit Protection: ≥220 mA on 200 mA Load Current Off-State (Leakage) Current: ≤0.1 mA No-Load Current: ≤15 mA (Ferrite, Uprox) ≤20 mA (Uprox+, Uprox3)	Time Delay Before Availability: ≤8 ms Power-On Effect: Per IEC 947-5-2 Reverse Polarity Protection: Incorporated Wire-Break Protection: Incorporated Transient Protection: Per EN 60947-5-2 Temperature Drift: ≤±10% Shock: 30 g, 11 ms Vibration: 55 Hz, 1 mm Amplitude in all 3 Planes Repeatability: ≤2% of Rated Operating Distance

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	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-M30E-AN6X-H1141 4618516	Extended Range	15	3-wire DC NPN	10-30 VDC	300	≤200	-25 to +70	IP67	CPB	PA 12	N/A	YE	A	1	A4
Bi15-M30E-AP6X-H1141 4618590	Extended Range	15	3-wire DC PNP	10-30 VDC	300	≤200	-25 to +70	IP67	CPB	PA 12	N/A	YE	A	2	A4
Bi10U-EM30E-AP6X-H1141 1636322	Uprox	10	3-wire DC PNP	10-30 VDC	2000	≤200	-30 to +85	IP68	SS	PBT	N/A	YE	A	2	A4
Bi10U-EM30HE-AP6X2-H1141 1636415	Uprox, Stoneface	10	3-wire DC PNP	10-30 VDC	2000	≤200	-30 to +85	IP68	SS	SF	GN	YE	A	2	A4
Bi10-M30E-AD4X-H1141 4417501		10	2-wire DC	10-65 VDC	500	≤100	-25 to +70	IP67	CPB	PA 12	N/A	YE	A	3	A2
Ni15-M30E-AD4X-H1141 4417790		15	2-wire DC	10-65 VDC	200	≤100	-25 to +70	IP67	CPB	PA 12	N/A	YE	B	3	A2
Ni15-M30E-VN4X-H1141 1571590	Comp. Outputs	15	4-wire DC NPN	10-65 VDC	500	≤200	-25 to +70	IP67	CPB	PA 12	N/A	YE	B	4	A4
Ni15-M30E-VP4X-H1141 1561790	Comp. Outputs	15	4-wire DC PNP	10-65 VDC	500	≤200	-25 to +70	IP67	CPB	PA 12	N/A	YE	B	5	A4

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Inductive Barrel Sensors