
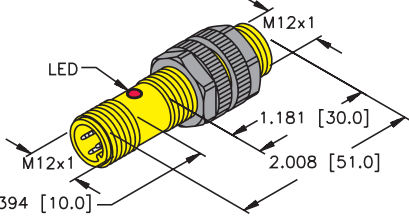
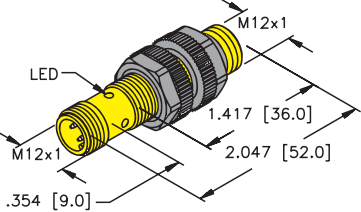
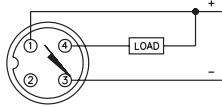
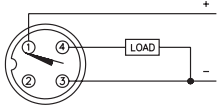


Inductive Barrel Sensors | 12 mm

Threaded Plastic Barrels with Connector and DC Outputs

Housing Style	Dimension Drawings
	<p>A</p>  <p>12 mm - Embeddable/Nonembeddable, Plastic, M12 Eurofast Connection</p>
<p>B</p>  <p>12 mm - Embeddable/Nonembeddable, Plastic, M12 Eurofast Connection</p>	
Wiring Diagrams/Mating Cordsets	
<p>1</p>  <p>Mating Cordset: RKK 4T-*</p>	<p>2</p>  <p>Mating Cordset: RKK 4T-*</p>
A4 3 and 4-wire DC - (AN, RN, AP, RP, VN, VP)	
<p>Ripple: ≤10%</p> <p>Differential Travel (Hysteresis): 3-15% (5% typical)</p> <p>Voltage Drop Across Conducting Sensor: ≤1.8 V</p> <p>Trigger Current for Short Circuit Protection:</p> <ul style="list-style-type: none"> ≥220 mA on 200 mA Load Current ≥170 mA on 150 mA Load Current ≥120 mA on 100 mA Load Current <p>Off-State (Leakage) Current:</p> <ul style="list-style-type: none"> ≤0.1 mA No-Load Current: ≤15 mA (Ferrite, Uprox) ≤20 mA (Uprox+, Uprox3) 	<p>Time Delay Before Availability: ≤8 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: ≤±10%</p> <p>Shock: 30 g, 11 ms</p> <p>Vibration: 55 Hz, 1 mm Amplitude in all 3 Planes</p> <p>Repeatability: ≤2% of Rated Operating Distance</p>

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

Inductive Barrel Sensors | 12 mm

Threaded Plastic 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
Bi3U-S12-AN6X-H1141 1634620	Uprox	3	3-wire DC NPN	10-30 VDC	3000	≤200	-30 to +85	IP68	PBT	PBT	N/A	YE	B	1	A4
Bi3U-S12-AP6X-H1141 1634600	Uprox	3	3-wire DC PNP	10-30 VDC	3000	≤200	-30 to +85	IP68	PBT	PBT	N/A	YE	B	2	A4
Bi2-S12-AN6X-H1141 46521		2	3-wire DC NPN	10-30 VDC	2000	≤200	-25 to +70	IP67	PA 12	PA 12	N/A	RD	A	1	A4
Bi2-S12-AP6X-H1141 46520		2	3-wire DC PNP	10-30 VDC	2000	≤200	-25 to +70	IP67	PA 12	PA 12	N/A	RD	A	2	A4
Ni8U-S12-AN6X-H1141 1644620	Uprox	8	3-wire DC NPN	10-30 VDC	2000	≤200	-30 to +85	IP68	PBT	PBT	N/A	YE	B	1	A4
Ni8U-S12-AP6X-H1141 1644600	Uprox	8	3-wire DC PNP	10-30 VDC	2000	≤200	-30 to +85	IP68	PBT	PBT	N/A	YE	B	2	A4
Ni4-S12-AN6X-H1141 46523		4	3-wire DC NPN	10-30 VDC	2000	≤200	-25 to +70	IP67	PA 12	PA 12	N/A	RD	A	1	A4
Ni4-S12-AP6X-H1141 46522		4	3-wire DC PNP	10-30 VDC	2000	≤200	-25 to +70	IP67	PA 12	PA 12	N/A	RD	A	2	A4

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