

Inductive
Sensors



Housing Style	Part Number	ID Number	Features	Embeddable	Sensing Range (mm)	Output
12 mm - Embeddable/Nonembeddable, Plastic, eurofast Quick Disconnect 	Bi 2-S12-AD4X-H1141	T4453094		•	2	2-Wire DC
	Bi 2-S12-AN6X-H1141	T4652100		•	2	3-Wire DC NPN
	Ni 4-S12-AN6X-H1141	T4652300			4	
	Bi 2-S12-AP6X-H1141	T4652000		•	2	3-Wire DC PNP
	Ni 4-S12-AP6X-H1141	T4652200			4	
	Bi 2-S12-Y0X-H1141	T4030090		•	2	2-Wire DC NAMUR
	Ni 5-S12-Y0X-H1141	T4030300			5	
	12 mm - Embeddable/Nonembeddable, Plastic, eurofast Quick Disconnect 	Bi 3U-S12-AN6X-H1141	M1634620	<i>Uprox</i>	•	3
Ni 8U-S12-AN6X-H1141		M1644620	<i>Uprox</i>		8	
Bi 3U-S12-AP6X-H1141		M1634600	<i>Uprox</i>	•	3	3-Wire DC PNP
Ni 8U-S12-AP6X-H1141		M1644600	<i>Uprox</i>		8	

TURCK mold-on connectors available on all cable sensors. See page M25.

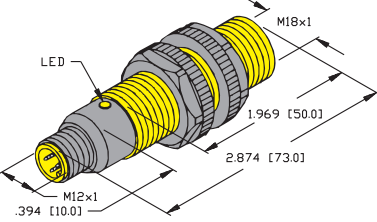
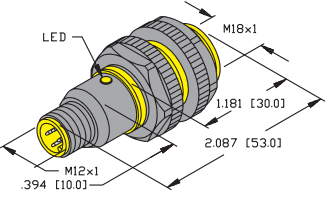
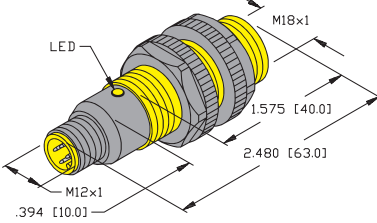


Voltage	Switching Freq. (Hz)	Operating Current (mA)	Operating Temp. (°C)	Protection	Housing	Face	Power LED	Output LED	Mating Cordset	Wiring Diagram #	Wiring Diagrams
10-65 VDC	1000	≤100	-25 to +70	IP 67	PA 12	PA 12	N/A	RD	RKK 4.2T-*	1	Diagram 1
	2000	≤200	-25 to +70	IP 67	PA 12	PA 12	N/A	RD	RKK 4T-*	2	
10-30 VDC	2000	≤200	-25 to +70	IP 67	PA 12	PA 12	N/A	RD	RKK 4T-*	2	Diagram 2
	2000	≤200	-25 to +70	IP 67	PA 12	PA 12	N/A	RD	RKK 4T-*	2	
10-30 VDC	2000	≤200	-25 to +70	IP 67	PA 12	PA 12	N/A	RD	RKK 4T-*	3	Diagram 3
	2000	≤200	-25 to +70	IP 67	PA 12	PA 12	N/A	RD	RKK 4T-*	3	
5-30 VDC	5000	Remote	-25 to +70	IP 67	PA	PA	N/A	RD	RKK 4T-*	4	Diagram 4
	2000	Remote	-25 to +70	IP 67	PA	PA	N/A	RD	RKK 4T-*	4	
10-30 VDC	3000	≤200	-30 to +85	IP 68	PBT	PBT	N/A	YE	RKK 4T-*	2	Diagram 3
	2000	≤200	-30 to +85	IP 68	PBT	PBT	N/A	YE	RKK 4T-*	2	
10-30 VDC	3000	≤200	-30 to +85	IP 68	PBT	PBT	N/A	YE	RKK 4T-*	3	Diagram 4
	2000	≤200	-30 to +85	IP 68	PBT	PBT	N/A	YE	RKK 4T-*	3	

* Length in meters.

Barrels



Housing Style	Part Number	ID Number	Features	Embeddable	Sensing Range (mm)	Output	
18 mm - Embeddable and Nonembeddable, Partial Threading, eurofast® Connection 	Bi 5-S18-AD4X-H1141	T4452400		•	5	2-Wire DC	
	Ni 8-S18-AD4X-H1141	T4452600			8		
18 mm - Embeddable and Nonembeddable, Partial Threading, eurofast Connection 	Bi 5-S18-AN6X-H1141	T4652500		•	5	3-Wire DC NPN	
	Ni 8-S18-AN6X-H1141	T4652700			8		
	Bi 5-S18-AP6X-H1141	T4652400			•	5	3-Wire DC PNP
	Ni 8-S18-AP6X-H1141	T4652600				8	
	Bi 5-S18-VP4X-H1141	T1513401	<i>Comp. Output</i>	•	5		4-Wire DC PNP
	Bi 5-S18-Y0X-H1141	T4036095		•	5	2-Wire NAMUR	
18 mm - Embeddable and Nonembeddable, Partial Threading, eurofast Connection 	Bi 5U-S18-AN6X-H1141	M1635620	<i>Uprox</i>	•	5	3-Wire DC NPN	
	Ni12U-S18-AN6X-H1141	M1645620	<i>Uprox</i>		12		
	Bi 5U-S18-AP6X-H1141	M1635600	<i>Uprox</i>	•	5	3-Wire DC PNP	
	Ni12U-S18-AP6X-H1141	M1645600	<i>Uprox</i>		12		

TURCK mold-on connectors available on all cable sensors. See page M25.

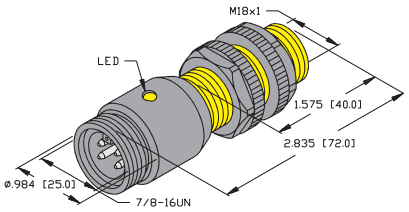
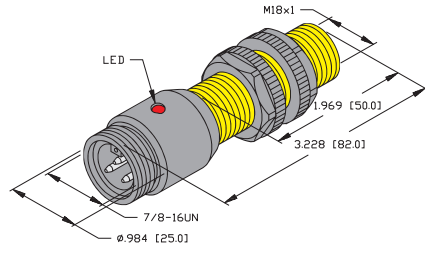


Output	Switching Freq. (Hz)	Operating Current (mA) VAC/VDC	Operating Temp. (°C)	Protection	Housing	Face	Power LED	Output LED	Mating Cordset	Wiring Diagram #	Wiring Diagrams
10-65 VDC	1000	≤100	-25 to +70	IP 67	PA 12	PA 12	N/A	YE	RKK 4.2T-*	1	Diagram 1
	500	≤100	-25 to +70	IP 67	PA 12	PA 12	N/A	YE	RKK 4.2T-*	1	
10-30 VDC	1000	≤200	-25 to +70	IP 67	PA 12	PA 12	N/A	YE	RKK 4T-*	2	Diagram 2
	1000	≤200	-25 to +70	IP 67	PA 12	PA 12	N/A	YE	RKK 4T-*	2	
10-30 VDC	1000	≤200	-25 to +70	IP 67	PA 12	PA 12	N/A	YE	RKK 4T-*	3	Diagram 3
	1000	≤200	-25 to +70	IP 67	PA 12	PA 12	N/A	YE	RKK 4T-*	3	
10-30 VDC	1000	≤200	-25 to +70	IP 67	PA 12	PA 12	N/A	YE	RKK 4.4T-*	4	Diagram 4
5-30 VDC	1000	Remote	-25 to +70	IP 67	PA 12	PA 12	N/A	YE	RKK 4.21T-*	5	
10-30 VDC	2500	≤200	-30 to +85	IP 68	PA 12	PA 12	N/A	YE	RKK 4T-*	2	Diagram 5
	2000	≤200	-30 to +85	IP 68	PA 12	PA 12	N/A	YE	RKK 4T-*	2	
10-30 VDC	2500	≤200	-30 to +85	IP 68	PA 12	PA 12	N/A	YE	RKK 4T-*	3	Diagram 5
	2000	≤200	-30 to +85	IP 68	PA 12	PA 12	N/A	YE	RKK 4T-*	3	

Barrels

* Length in meters.



Housing Style	Part Number	ID Number	Features	Embeddable	Sensing Range (mm)	Output	
18 mm - Embeddable and Nonembeddable, Full Threading, <i>minifast</i>® Connection 	Bi 5-P18-AN6X-B2341	T4697200		•	5	3-Wire DC NPN	
	Ni10-P18-AN6X-B2341	T4697800			10		
	Bi 5-P18-AP6X-B2341	T4697300			•	5	3-Wire DC PNP
	Ni10-P18-AP6X-B2341	T4697900			•	10	
	Bi 5-P18-AP6X-B2341/S100	M4697321	<i>High Temp. 100°C</i>	•	5		
18 mm - Embeddable and Nonembeddable, Full Threading, <i>minifast</i> Connection 	Bi 5-P18-AZ3X-B2331	T4374800		•	5	2-Wire AC/DC	
	Bi 5-P18-AZ3X-B2331/S100	T4374801	<i>High Temp. 100°C</i>	•	5		
	Ni10-P18-AZ3X-B2331	T4375200					10
	Ni10-P18-AZ3X-B2331/S100	M4375201	<i>High Temp. 100°C</i>				10

TURCK mold-on connectors available on all cable sensors. See page M25.



Output	Switching Freq. (Hz)	Operating Current (mA) VAC/VDC	Operating Temp. (°C)	Protection	Housing	Face	Power LED	Output LED	Mating Cordset	Wiring Diagram #	Wiring Diagrams
10-30 VDC	1000	≤200	-25 to +70	IP 67	PA 12	PA 12	N/A	YE	RK 40-*M	1	Diagram 1
	500	≤200	-25 to +70	IP 67	PA 12	PA 12	N/A	YE	RK 40-*M	1	
10-30 VDC	1000	≤200	-25 to +70	IP 67	PA 12	PA 12	N/A	YE	RK 40-*M	2	Diagram 2
	500	≤200	-25 to +70	IP 67	PA 12	PA 12	N/A	YE	RK 40-*M	2	
	1000	≤200	-25 to +100	IP 67	PA 12	IRPA	N/A	YE	RK 40-*M	2	
20-250 VAC 10-300 VDC	20	≤400/300	-25 to +70	IP 67	PA 12	PA 12	N/A	RD	RK 30-*M	3	Diagram 3
	20	≤400/300	-25 to +100	IP 67	PA 12	IRPA	N/A	YE	RK 30-*M	3	
	20	≤400/300	-25 to +70	IP 67	PA 12	PA 12	N/A	RD	RK 30-*M	3	
	20	≤400/300	-25 to +100	IP 67	PA 12	IRPA	N/A	YE	RK 30-*M	3	

* Length in meters.

Barrels



Housing Style	Part Number	ID Number	Features	Embeddable	Sensing Range (mm)	Output	
30 mm - Embeddable/Nonembeddable, Partial Threading, eurofast® Connection 	Bi 10-S30-AD4X-H1141	T4458000		•	10	2-Wire DC	
	Ni 15-S30-AD4X-H1141	T4458200			15		
	Bi 10-S30-AN6X-H1141	T4658100		•	10	3-Wire DC NPN	
	Bi 10U-S30-AN6X-H1141	M1636620	<i>Uprox</i>	•	10		
	Ni 15-S30-AN6X-H1141	T4658300			15		
	Ni 20U-S30-AN6X-H1141	M1646620	<i>Uprox</i>		20		
	Bi 10-S30-AP6X-H1141	T4658000		•	10	3-Wire DC PNP	
	Bi 10U-S30-AP6X-H1141	M1636600	<i>Uprox</i>	•	10		
	Ni 15-S30-AP6X-H1141	T4658200			15		
	Ni 15-S30-AP6X-H1141/S97	M4658201	<i>Low Temp. -40°C</i>		15		
	Ni 20U-S30-AP6X-H1141	M1646600	<i>Uprox</i>		20		
	30 mm - Embeddable/Nonembeddable, Full Threading, minifast® Connection 	Bi 10-P30-AN6X-B2141	T4697400		•	10	3-Wire DC NPN
Ni 15-P30-AN6X-B2141		T4697600			15		
Bi 10-P30-AP6X-B2141		T4697500			•	10	3-Wire DC PNP
Bi 10-P30-AP6X-B2141/S100		M4697521	<i>High Temp. 100°C</i>	•	10		
Ni 15-P30-AP6X-B2141	T4697700				15		
30 mm - Embeddable/Nonembeddable, Full Threading, minifast Connection 	Bi 10-P30-AZ3X-B2131	T4374900		•	10	2-Wire AC/DC	
	Bi 10-P30-AZ3X-B2131/S100	M1352600	<i>High Temp. 100°C</i>	•	10		
	Ni 15-P30-AZ3X-B2131	T4375400					15

TURCK mold-on connectors available on all cable sensors. See page M25.



Voltage	Switching Freq. (Hz)	Operating Current AC/DC (mA)	Operating Temp. (°C)	Protection	Housing	Face	Power LED	Output LED	Mating Cordset	Wiring Diagram #	Wiring Diagrams
10-65 VDC	500	≤100	-25 to +70	IP 67	PA 12	PA 12	N/A	YE	RKK 4.2T-*	1	Diagram 1
	500	≤100	-25 to +70	IP 67	PA 12	PA 12	N/A	YE	RKK 4.2T-*	1	
10-30 VDC	500	≤200	-25 to +70	IP 67	PA 12	PA 12	N/A	YE	RKK 4T-*	2	Diagram 2
	2000	≤200	-30 to +85	IP 68	PA 12	PA 12	N/A	YE	RKK 4T-*	2	
	500	≤200	-25 to +70	IP 67	PA 12	PA 12	N/A	YE	RKK 4T-*	2	
	1500	≤200	-30 to +85	IP 68	PA 12	PA 12	N/A	YE	RKK 4T-*	2	
10-30 VDC	500	≤200	-25 to +70	IP 67	PA 12	PA 12	N/A	YE	RKK 4T-*	3	Diagram 3
	2000	≤200	-30 to +85	IP 68	PA 12	PA 12	N/A	YE	RKK 4T-*	3	
	500	≤200	-25 to +70	IP 67	PA 12	PA 12	N/A	YE	RKK 4T-*	3	
	500	≤200	-40 to +70	IP 67	PA 12	PA 12	N/A	YE	RKK 4T-*	3	
10-30 VDC	500	≤200	-25 to +70	IP 67	PA 12	PA 12	N/A	YE	RK 40-*M	4	Diagram 4
	500	≤200	-25 to +70	IP 67	PA 12	PA 12	N/A	YE	RK 40-*M	4	
10-30 VDC	500	≤200	-25 to +70	IP 67	PA 12	PA 12	N/A	YE	RK 40-*M	5	Diagram 5
	500	≤200	-25 to +100	IP 67	PA 12	PA 12	N/A	YE	RK 40-*M	5	
	500	≤200	-25 to +70	IP 67	PA 12	PA 12	N/A	YE	RK 40-*M	5	
20-250 AC 10-300 VDC	20	≤400/300	-25 to +70	IP 67	PA 12	PA 12	N/A	RD	RK 30-*M	6	Diagram 6
	20	≤400/300	-25 to +100	IP 67	PA 12	IRPA	N/A	RD	RK 30-*M	6	
	20	≤400/300	-25 to +70	IP 67	PA 12	PA 12	N/A	RD	RK 30-*M	6	

Barrels



Housing Style	Part Number	ID Number	Features	Sensing Range (mm)	Output
40 mm - Nonembeddable, Smooth Plastic Barrel, minifast® Connection 	Ni30-K40-VN4X-B2141	M4590400	Comp. Outputs	30	4-Wire DC NPN
	Ni30-K40-VP4X-B2141	M4590500	Comp. Outputs	30	4-Wire DC PNP
	Ni30-K40-AZ3X-B2131	M4375800		30	2-Wire AC/DC
40 mm - Nonembeddable, Smooth Plastic Barrel, Potted-In Cable 	Ni20-K40-AN6X	M1676900		20	3-Wire DC NPN
	Ni20-K40-AP6X	M1655900		20	3-Wire DC PNP
	Ni20-K40-Y1	M1007300		20	2-Wire DC NAMUR
40 mm - Nonembeddable, Smooth Plastic Barrel, Potted-In Cable 	Ni20-K40-AZ3X	M1306500		20	2-Wire AC/DC

TURCK mold-on connectors available on all cable sensors. See page M25.



Voltage	Switching Freq. (Hz)	Operating Current AC/DC (mA)	Operating Temp. (°C)	Protection	Housing	Face	End Cap	Power LED	Output LED	Mating Cord/ Cable Length/Jacket	Wiring Diagram #	Wiring Diagrams
10-65 VDC	100	≤200	-25 to +70	IP 67	ABS	ABS	----	N/A	YE	RK 40-*M	1	Diagram 1
10-65 VDC	100	≤200	-25 to +70	IP 67	ABS	ABS	----	N/A	YE	RK 40-*M	2	Diagram 2
20-250 VAC 10-300 VDC	20	≤400/300	-25 to +70	IP 67	ABS	ABS	----	N/A	RD	RK 30-*M	3	Diagram 3
10-30 VDC	100	≤200	-25 to +70	IP 67	ABS	ABS	EPTR	N/A	YE	2M/PVC	4	Diagram 4
10-30 VDC	100	≤200	-25 to +70	IP 67	ABS	ABS	EPTR	N/A	YE	2M/PVC	5	Diagram 5
5-30 VDC	100	Remote	-25 to +70	IP 67	ABS	ABS	EPTR	N/A	N/A	2M/PVC	6	Diagram 6
20-250 VAC 10-300 VDC	20	≤400/300	-25 to +70	IP 67	ABS	ABS	EPTR	N/A	RD	2M/PVC	7	Diagram 7

Barrels

* Length in meters.