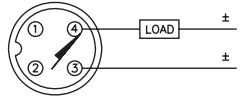
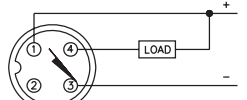
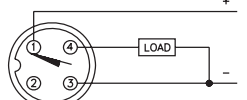
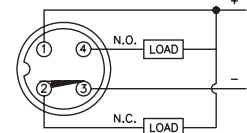
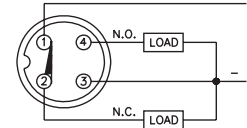
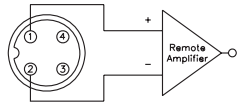


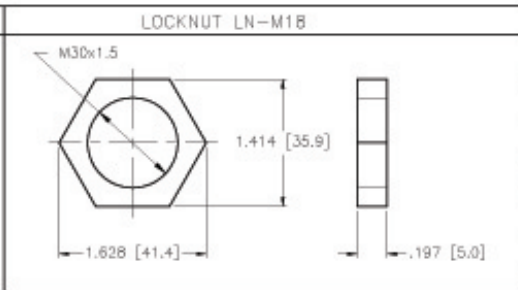
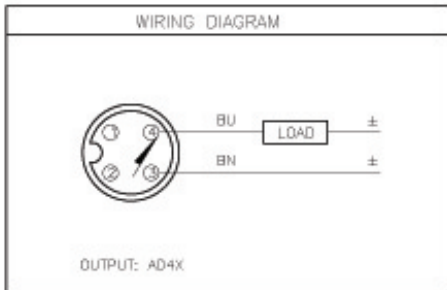
Inductive Sensors



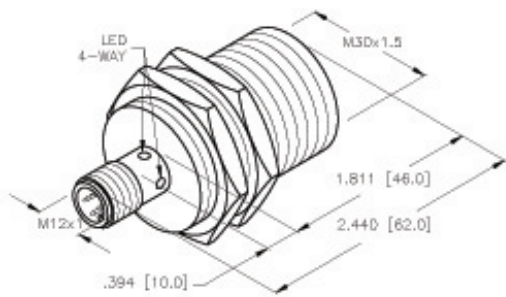
Housing Style	Part Number	ID Number	Features	Sensing Range (mm)	Output	
30 mm - Embeddable, eurofast® Connection 	Bi 10-M30-AD4X-H1141	T4417500		10	2-Wire DC	
	Bi 12-M30-AD4X-H1141	T4417041	Extended Range	12		
	Bi 10-M30-AN6X-H1141	T4617600		10	3-Wire DC NPN	
	Bi 10U-EM30-AN6X-H1141	M1636350	Uprox	10		
	Bi 10U-EM30H-AN6X2-H1141	M1636407	Uprox, Stoneface	10		
	Bi 10U-EM30H-AN6X2-H1141/S1589	M1636490	weldguard, Uprox	10		
	Bi 10U-M30-AN6X-H1141	M1636150	Uprox	10		
	Bi 10U-M30-AN6X2-H1141	M1636155	Uprox	10		
	Bi 12-EM30WD-AN6X-H1141	M4614544	Washdown	12		
	Bi 15-M30-AN6X-H1141	T4618600	Extended Range	15		
	Bi 15-EM30H-AN6X-H1141	T4618692	Extended Range	15		
	Bi 15-EM30H-AN6X-H1141/S1589	T4618693	weldguard	15		
	Bi 10-M30-AP6X-H1141	T4617500		10	3-Wire DC PNP	
	Bi 10U-EM30-AP6X-H1141	M1636340	Uprox	10		
	Bi 10U-EM30H-AP6X2-H1141	M1636406	Uprox, Stoneface	10		
	Bi 10U-EM30H-AP6X2-H1141/S1589	M1636491	weldguard, Uprox	10		
	Bi 10U-M30-AP6X-H1141	M1636140	Uprox	10		
	Bi 10U-M30-AP6X2-H1141	M1636145	Uprox	10		
	Bi 12-EM30WD-AP6X-H1141	M4614541	Washdown	12		
	Bi 15-M30-AP6X-H1141	T4618500	Extended Range	15		
	Bi 15-EM30H-AP6X-H1141	T4618592	Extended Range	15		
	Bi 15-EM30H-AP6X-H1141/S1589	T4618593	weldguard	15		
	Bi 15-EM30H-AP6X-H1141/S1610	T4618589	Weld/armorguard	15		
	Bi 10-M30-VN4X-H1141	T1571600	Comp. Outputs	10	4-Wire DC NPN	
	Bi 10U-M30-VN4X-H1141	M1582352	Uprox, Comp. Outputs	10		
	Bi 15-M30-VN4X-H1141	T4570711	Comp. Outputs	15	4-Wire DC PNP	
	Bi 10-M30-VP4X-H1141	T1561600	Comp. Outputs	10		
	Bi 10U-M30-VP4X-H1141	M1582253	Uprox, Comp. Outputs	10		
	Bi 15-M30-VP4X-H1141	T4570710	Comp. Outputs	15	2-Wire DC	
	Bi 10-M30-Y1X-H1141	M4020200		10		
	30 mm - Embeddable, eurofast Connection, Stainless Steel 	Bi 10-EM30F-AP6X-H1141	M4614537	Stainless Steel Front Cap	10	3-Wire DC PNP

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	500	≤100	-25 to +70	IP 67	CPB	PA 12	N/A	YE	RK 4.2T-*	1	Diagram 1 					
	500	≤100	-25 to +70	IP 67	CPB	PA 12	N/A	YE	RK 4.2T-*	1						
10-30 VDC	500	≤200	-25 to +70	IP 67	CPB	PA 12	N/A	YE	RK 4T-*	2	Diagram 2 					
	2000	≤200	-30 to +85	IP 68	SS	PA 12	N/A	YE	RKV 4T-*	2						
	2000	≤200	-30 to +85	IP 68	SS	SF	GN	YE	RKV 4T-*	2						
	2000	≤200	-30 to +85	IP 68	SS	WG	GN	YE	RKG 4T-*/S600	2						
	2000	≤200	-30 to +85	IP 67	CPB	PA 12	N/A	YE	RK 4T-*	2						
	2000	≤200	-30 to +85	IP 67	CPB	PA 12	GN	YE	RK 4T-*	2						
	1000	≤200	-25 to +85	IP 68, 69K	SS	PVDF	N/A	YE	RK 4T-*	2						
	300	≤200	-25 to +70	IP 67	CPB	PA 12	N/A	YE	RK 4T-*	2						
	300	≤200	-25 to +70	IP 67	SS	SF	N/A	YE	RKG 4T-*/S600	2						
	300	≤200	-25 to +70	IP 67	SS	WG	N/A	YE	RKG 4T-*/S600	2						
10-30 VDC	500	≤200	-25 to +70	IP 67	CPB	PA 12	N/A	YE	RK 4T-*	3	Diagram 3 					
	2000	≤200	-30 to +85	IP 68	SS	PA 12	N/A	YE	RKV 4T-*	3						
	2000	≤200	-30 to +85	IP 68	SS	SF	GN	YE	RKV 4T-*	3						
	2000	≤200	-30 to +85	IP 68	SS	WG	GN	YE	RKG 4T-*/S600	3						
	2000	≤200	-30 to +85	IP 67	CPB	PA 12	N/A	YE	RK 4T-*	3						
	2000	≤200	-30 to +85	IP 67	CPB	PA 12	GN	YE	RK 4T-*	3						
	1000	≤200	-25 to +85	IP 68, 69K	SS	PVDF	N/A	YE	RK 4T-*	3						
	300	≤200	-25 to +70	IP 67	CPB	PA 12	N/A	YE	RK 4T-*	3						
	300	≤200	-25 to +70	IP 67	SS	SF	N/A	YE	RKV 4T-*	3						
	300	≤200	-25 to +70	IP 67	SS	WG	N/A	YE	RKG 4T-*/S600	3						
10-65 VDC	500	≤200	-25 to +70	IP 67	CPB	PA 12	N/A	YE	RK 4.4T-*	4	Diagram 4 					
	2000	≤200	-30 to +85	IP 67	CPB	PA 12	N/A	YE	RK 4.4T-*	4						
	500	≤200	-25 to +70	IP 67	CPB	PA 12	N/A	YE	RK 4.4T-*	4						
	10-65 VDC	500	≤200	-25 to +70	IP 67	CPB	PA 12	N/A	YE	RK 4.4T-*		5	Diagram 5 			
		2000	≤200	-30 to +85	IP 67	CPB	PA 12	N/A	YE	RK 4.4T-*		5				
		300	≤200	-25 to +70	IP 67	CPB	PA 12	N/A	YE	RK 4.4T-*		5				
		5-30 VDC	2000	Remote	-25 to +70	IP 67	CPB	PA 12	N/A	YE		RK 4.21T-*		6	Diagram 6 	
			10-30 VDC	180	≤200	-25 to +80	IP 68, 69K	SS	SS	N/A		YE		RKV 4T-*		3

* Length in meters.



SPECIFICATIONS	
OPERATING VOLTAGE	10-65 VDC
RIPPLE	≤10%
HYSTERESIS (DIFFERENTIAL TRAVEL)	3-15% (5% TYPICAL)
VOLTAGE DROP ACROSS CONDUCTING SENSOR	≤5.0 V at 100 mA
OUTPUT FUNCTION	NORMALLY OPEN 2-WIRE DC SELF-CONTAINED
TTL COMPATIBLE	NO
SHORT-CIRCUIT PROTECTED	YES
TRIGGER CURRENT FOR OVERLOAD PROTECTION	≥120 mA
MAXIMUM LOAD CURRENT	≤100 mA
OFF-STATE (LEAKAGE) CURRENT	≤ 0.8 μA
MINIMUM LOAD CURRENT	≥ 3.0 mA
TIME DELAY BEFORE AVAILABILITY	≤10 ms
POWER-ON EFFECT	Per IEC 947-5-2
REVERSE POLARITY PROTECTION	INCORPORATED
WIRE-BREAK PROTECTION	INCORPORATED
TRANSIENT PROTECTION	Per EN 60947-5-2
OPERATING TEMPERATURE	-25°C to +70°C (-13°F to +158°F)
ENCLOSURE	MEETS NEMA 1, 3, 4, 6, 13 AND IEC IP67
SHOCK	30 g, 11 ms
VIBRATION	65 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)
LED FUNCTION	YELLOW: OUTPUT ENERGIZED
RATED OPERATING DISTANCE(S _R)	10 mm = .394" (NOMINAL)
SWITCHING FREQUENCY	500 Hz
REPEATABILITY	≤ 2% of RATED OPERATING DISTANCE
SHIELDED	YES



SOURCE DRAWING - FOR REFERENCE ONLY

NOTE: ALL TOLERANCES ±1.0 mm.

RELATED DOCUMENTS 1. 2. 3. 4.	3RD ANGLE PROJECTION 	THIS DRAWING IS PROPERTY OF TURCK INC. USE OF THIS DOCUMENT WITHOUT WRITTEN PERMISSION IS PROHIBITED.	TURCK INC High Technology Sensors and Automation Controls	
			MATERIAL BRASS BARREL	TOLERANCES UNLESS OTHERWISE SPECIFIED .X ±0.02 .XX ±0.01 .XXX ±0.005 ANGLES ±1° ALL MILLIMETER DIMENSIONS ARE REFERENCE ONLY
FINISH COPPER/NICKEL/ CHROME PLATING	UNIT OF MEASUREMENT INCH [MILLIMETER]		IDENTIFICATION NO. T4417500	REV E
E CHANGE LOCKNUT THICKNESS TO 5.0 mm REV DESCRIPTION	IK BY DATE EDO NO.	DO NOT SCALE THIS DRAWING	FILE: T4417500	SHEET 1 OF 1