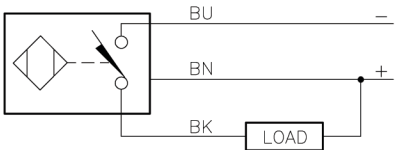
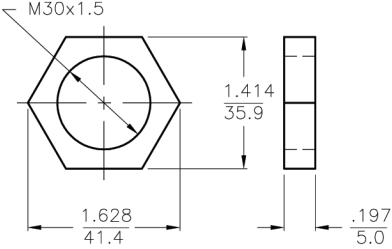


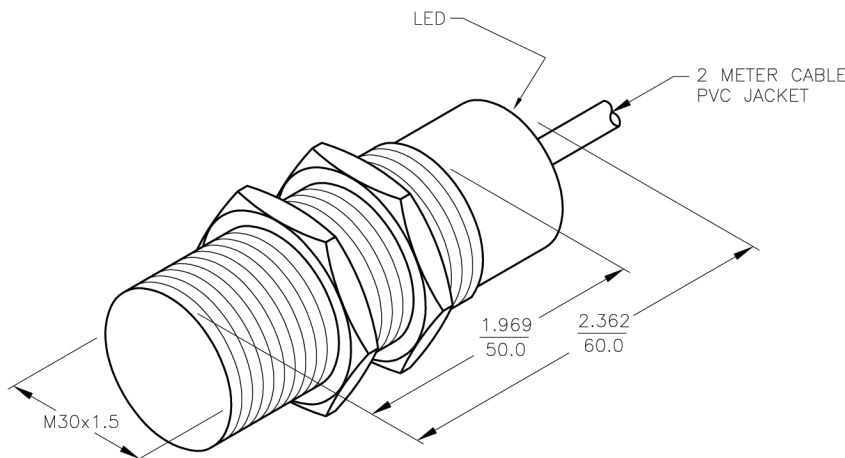
Inductive Sensors

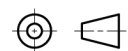


Housing Style	Part Number	ID Number	Features	Sensing Range (mm)	Output
30 mm - Embeddable, Potted-In Cable 	Bi10-M30-AD4X	T4417000		10	2-Wire DC
	Bi12-M30-AD4X	T4417035	Extended Range	12	
	Bi10-EM30-AN6XLD	T4617109	Load Dump	10	3-Wire DC NPN
	Bi10U-EM30-AN6X	M1636320	Uprox	10	
	Bi10U-M30-AN6X	M1636120	Uprox	10	
	Bi15-M30-AN6X	T4618620	Extended Range	15	
	Bi10-M30-AN6X	T4617691		10	3-Wire DC PNP
	Bi10-EM30-AP6XLD	T4617003	Load Dump	10	
	Bi10-M30-AP6X/S100	M4617004	High Temp. 100°C	10	
	Bi10U-EM30-AP6X	M1636300	Uprox	10	
	Bi10U-M30-AP6X	M1636100	Uprox	10	
	Bi15-M30-AP6X	T4618530	Extended Range	15	4-Wire DC NPN
	Bi10-M30-VN4X	T1571400	Comp. Outputs	10	
	Bi15-M30-VN4X	T4570712	Extended Range	15	4-Wire DC PNP
	Bi10-M30-VP4X	T1561400	Comp. Outputs	10	
	Bi15-M30-VP4X	T4570713	Extended Range	15	2-Wire AC/DC Short-Circuit Protected
	Bi10U-MT30-ADZ30X2	M4209430	Uprox	10	
30 mm - Embeddable, Potted-In Cable 	Bi10NF-M30-AN6X	M1616100	Nonferrous	10	3-Wire DC NPN
	Bi10NF-M30-AP6X	M1606100	Nonferrous	10	3-Wire DC PNP
30 mm - Embeddable, Potted-In Cable 	Bi12-EM30WD-AN6X	M4614543	Washdown	12	3-Wire DC NPN
	Bi12-EM30WD-AP6X	M4614540	Washdown	12	3-Wire DC PNP

Voltage	Switching Freq. (Hz)	Operating Current AC/DC (mA)	Operating Temp. (°C)	Protection	Housing	Face	End Cap	Power LED	Output LED	Cable Length/ Cable Mat.	Wiring Diagram #	Wiring Diagrams
10-65 VDC	500	≤100	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	1	Diagram 1
	400	≤100	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	1	
10-30 VDC	500	≤200	-25 to +70	IP 67	SS	PA 12	EPTR	N/A	YE	2M/PVC	2	Diagram 2
	2000	≤200	-30 to +85	IP 68	SS	PA 12	EPTR	N/A	YE	2M/PVC	2	
	2000	≤200	-30 to +85	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	2	
	500	≤200	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	2	
	500	≤200	-25 to +70	IP 67	CPB	PA 12		N/A	YE	2M/PVC	2	
10-30 VDC	500	≤200	-25 to +70	IP 67	SS	PA 12	EPTR	N/A	YE	2M/PVC	3	Diagram 3
	500	≤200	-25 to +100	IP 67	CPB	IRPA	EPTR	N/A	YE	2M/PVC	3	
	2000	≤200	-30 to +85	IP 68	SS	PA 12	EPTR	N/A	YE	2M/PVC	3	
	2000	≤200	-30 to +85	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	3	
	500	≤200	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	3	
10-65 VDC	500	≤200	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	4	Diagram 4
	500	≤200	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	4	
10-65 VDC	500	≤200	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	5	Diagram 5
	500	≤200	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	5	
20-250 VAC 10-300 VDC	20	≤400/300	-25 to +70	IP 67	TC	TC		GN	RD	2M/PUR	6	Diagram 6
10-30 VDC	500	≤200	0 to +60	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	2	
10-30 VDC	500	≤200	0 to +60	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	3	Diagram 6
10-30 VDC	1000	≤200	-25 to +85	IP 68, 69K	SS	PVDF	EPTR	N/A	YE	2M/PUR	2	
10-30 VDC	1000	≤200	-25 to +85	IP 68, 69K	SS	PVDF	EPTR	N/A	YE	2M/PUR	3	Diagram 6
10-30 VDC	1000	≤200	-25 to +85	IP 68, 69K	SS	PVDF	EPTR	N/A	YE	2M/PUR	3	

WIRING DIAGRAM	LOCKNUT LN-M30	SPECIFICATIONS	
 OUTPUT: AN6X SHORT-CIRCUIT AND OVERLOAD PROTECTED		OPERATING VOLTAGE	10-30 VDC
		RIPPLE	≤ 10%
		DIFFERENTIAL TRAVEL (HYSTERESIS)	3-15% (5% TYPICAL)
		VOLTAGE DROP ACROSS CONDUCTING SENSOR	≤ 1.8 V at 200 mA
		OUTPUT FUNCTION	NORMALLY OPEN 3-WIRE DC SELF-CONTAINED
		TTL COMPATIBLE	NO
		SHORT-CIRCUIT PROTECTED	YES
		TRIGGER CURRENT FOR OVERLOAD PROTECTION	≥ 220 mA
		CONTINUOUS LOAD CURRENT	≤ 200 mA
		OFF-STATE (LEAKAGE) CURRENT	≤ 0.1 mA

	NO-LOAD CURRENT	≤ 8 mA
	TIME DELAY BEFORE AVAILABILITY	≤ 8 ms
	POWER-ON EFFECT	PER IEC 947-5-2
	REVERSE POLARITY PROTECTION	INCORPORATED
	WIRE-BREAK PROTECTION	INCORPORATED
	PROTECTION AGAINST TRANSIENTS	Per EN 60947-5-2
	OPERATING TEMPERATURE (10% DRIFT)	-25°C to +70°C (-13°F to +158°F)
	OPERATING TEMPERATURE (15% DRIFT)	-30°C to +85°C (-22°F to +185°F)
	ENCLOSURE	MEETS NEMA 1, 3, 4, 6, 13 AND IEC IP67
	SHOCK	30 g, 11 ms
	VIBRATION	55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)
	LED FUNCTION	YELLOW: OUTPUT ENERGIZED
	RATED OPERATING DISTANCE(Sn)	15mm = .591" (NOMINAL)
	SWITCHING FREQUENCY	400 Hz
	REPEATABILITY	≤ 2% of RATED OPERATING DISTANCE
	EMBEDDABLE (SHIELDED)	YES

RELATED DOCUMENTS					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	
1. 2. 3. 4.							DRFT	CBM	DATE	09/26/99
MATERIAL BRASS BARREL					TOLERANCES UNLESS OTHERWISE SPECIFIED		DSGN	SCALE	NONE	DESCRIPTION B115-M30-AN6X
FINISH COPPER, NICKEL, CHROME PLATING					0.0394in [1.00mm]		UNIT OF MEASUREMENT INCH [MILLIMETER]		IDENTIFICATION NO. T4618620	
B CHANGE WIRING DIAGRAM FROM "QD" TO CABLE					IK		10/22/99		T3138	
REV DESCRIPTION					BY		DATE		ECO NO.	
									DO NOT SCALE THIS DRAWING	
									FILE: T4618620	
									SHEET 1 OF 1	