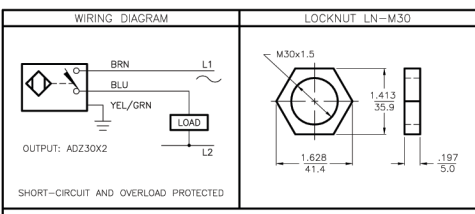


Inductive Sensors



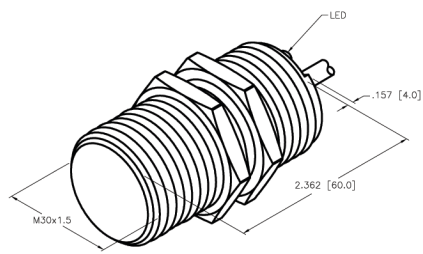
Housing Style	Part Number	ID Number	Features	Sensing Range (mm)	Output
30 mm - Embeddable, Potted-In Cable 	Bi10-G30K-AD4X	T4670695	Short Barrel	10	2-Wire DC
	Bi10-G30K-AN6X	T4671600	Short Barrel	10	3-Wire DC NPN
	Bi10-G30K-AP6X	T4670600	Short Barrel	10	3-Wire DC PNP
	Bi15-G30K-AP6X	T4207300	Short Barrel	15	
	Bi10-G30-Y0	T1006200	Short Barrel	10	2-Wire DC NAMUR
	Bi10-G30-Y0X	T4020000	Short Barrel	10	
Bi10-G30-Y0X/S90	T4617691		10		
30 mm - Embeddable, Potted-In Cable 	Bi10-G30-AN6X	T4647500		10	3-Wire DC NPN
	Bi10-G30-AN7X	T1714800		10	
	Bi10-G30-AP6X	T4647400		10	3-Wire DC PNP
	Bi10-EG30-ADZ30X2	T4256095		10	2-Wire AC/DC Short-Circuit Protection
	Bi10-G30-ADZ30X2	T4207000		10	
	Bi15-G30-ADZ30X2	T4207200		15	
	Bi10-EG30-AZ3X	T4345699		10	2-Wire AC/DC
Bi10-G30-AZ3X	T4345400		10		
30 mm - Embeddable, Potted-In Cable, Teflon Coated 	Bi10-GT30-ADZ30X2/S34	T4256000	WFI	10	2-Wire AC/DC Short-Circuit Protection

Voltage	Switching Freq. (Hz)	Operating Current (mA) AC/DC	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
10-30 VDC	500	≤200	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	2	
10-30 VDC	500	≤200	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	3	Diagram 3
	500	≤200	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	3	
5-30 VDC	200	Remote	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	N/A	2M/PVC	4	Diagram 4
	200	Remote	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	4	
	200	Remote	-25 to +70	IP 67	CPB	EPTR	EPTR	N/A	YE	2M/PUR	4	
10-30 VDC	500	≤200	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	2	Diagram 5
	500	≤200	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	2	
10-30 VDC	500	≤200	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	3	Diagram 5
	20	≤400/300	-25 to +70	IP 67	SS	PA 12	EPTR	GN	RD	2M/PVC	5	
	20	≤400/300	-25 to +70	IP 67	CPB	PA 12	EPTR	GN	RD	2M/PVC	5	
20-250 VAC 10-300 VDC	20	≤400/300	-25 to +70	IP 67	SS	PA 12	EPTR	N/A	YE	2M/PVC	5	Diagram 5
	20	≤400/300	-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	EPTR	GN	RD	2M/PVC	5	Diagram 5
	20	≤400/300	-25 to +70	IP 67	TC	TC	EPTR	GN	RD	2M/PVC	5	



SPECIFICATIONS

OPERATING VOLTAGE	20-250 VAC, 10-300 VDC, <400 AC, <300 DC
LINE FREQUENCY	40-60 Hz
HYSTERESIS (DIFFERENTIAL TRAVEL)	3-15% (5% TYPICAL)
VOLTAGE DROP ACROSS CONDUCTING SENSOR	≤6.0 V AT FULL-RATED CURRENT
OUTPUT FUNCTION	NORMALLY OPEN 2-WIRE AC/DC SELF-CONTAINED
SHORT-CIRCUIT PROTECTED	YES
CONTINUOUS LOAD CURRENT	≤400 mA AC; ≤300 mA DC
LEAKAGE (OFF-STATE) CURRENT	≤1.7 mA
MINIMUM LOAD CURRENT	≤3 mA
INRUSH CURRENT	≤4.0 A (10% DUTY CYCLE)
TIME DELAY BEFORE AVAILABILITY	≤25 ms
POWER-ON EFFECT PROTECTION	INCORPORATED
PROTECTION AGAINST TRANSIENTS	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 IP68
SHOCK	30 g, 11 ms
VIBRATION	55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)
LED FUNCTION	GREEN = POWER ON FLASHING GREEN = SHORT-CIRCUIT WARNING RED = OUTPUT ENERGIZED
SENSING RANGE	15 mm @ ±59° (NOMINAL)
SWITCHING FREQUENCY	80 Hz
REPEATABILITY	±2% of RATED OPERATING DISTANCE
SHIELDED	YES



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 0.0394in [1.00mm]	DRAWN —		
FINISH COPPER/NICKEL CHROME PLATING	UNIT OF MEASUREMENT NCH [MILLIMETER]		IDENTIFICATION NO. T4207200	REV B	REV B
B UPDATE OPERATING VOLTAGE REV DESCRIPTION		IK 11/01/00 BY DATE	T4086 ECD NO.	DO NOT SCALE THIS DRAWING	FILE: T4207200