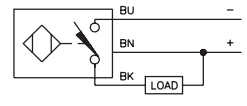
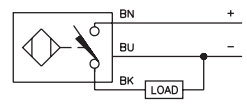
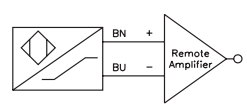
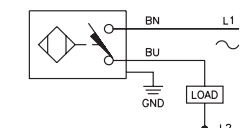
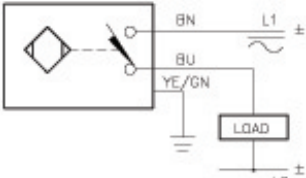
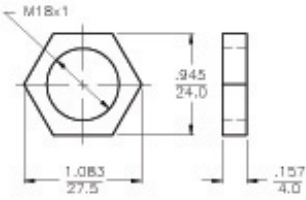


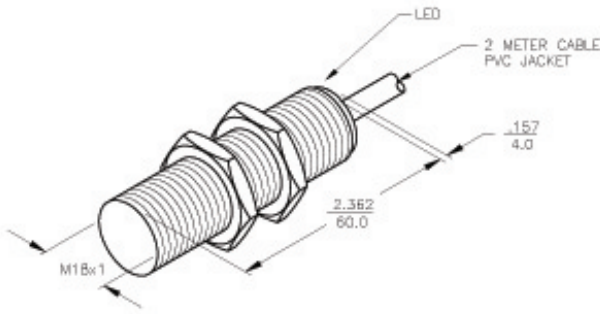
# Inductive Sensors




Housing Style	Part Number	ID Number	Features	Sensing Range (mm)	Output
<b>18 mm - Embeddable, Full Threading, Potted-In Cable</b> 	Bi 5-G18K-AN6X	T4671400	<i>Short Barrel</i>	5	3-Wire DC NPN
	Bi 5-G18K-AN7X	T4740593	<i>TTL Compatible</i>	5	
	Bi 5-G18K-AP6X	T4670400		5	3-Wire DC PNP
	Bi 5-EG18-Y0	T1006001		5	2-Wire NAMUR
	Bi 5-G18-Y0	T1006000		5	
	Bi 5-G18-Y0X	T4015000		5	
<b>18 mm - Embeddable, Full Threading, Potted-In Cable</b> 	Bi 5-EG18-AN6X	T4611101		5	3-Wire DC NPN
	Bi 5-G18-AN6X	T4641500		5	
	Bi 5-G18-AN7X	T4740500	<i>TTL Compatible</i>	5	
	Bi 8-G18-AN6X	T4616101	<i>Ext. Range</i>	8	
	Bi 5-EG18-AP6X	T4611001		5	3-Wire DC PNP
	Bi 5-G18-AP6X	T4641400		5	
Bi 8-G18-AP6X	T4615088		8		
<b>18 mm - Embeddable, Full Threading, Potted-In Cable</b> 	Bi 5-G18-ADZ30X2	T4212000		5	2-Wire AC/DC Short-Circuit Protected
	Bi 8-G18-ADZ30X2	T4209320	<i>Extended Range</i>	8	
	Bi 5-EG18-AZ3X	T4611190		5	2-Wire AC/DC
	Bi 5-G18-AZ3X	T4330400		5	
	Bi 5-G18-AZ3X2	T1374195		5	

Output	Switching Freq. (Hz)	Operating Current (mA) VAC/VDC	Operating Temp. (°C)	Protection	Housing	Face	End Cap	Power LED	Output LED	Cable Length/ Cable /Mat.	Wiring Diagram #	Wiring Diagrams
10-30 VDC	1000	≤200	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	1	<b>Diagram 1</b> 
	1000	≤200	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	1	
10-30 VDC	1000	≤200	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	2	<b>Diagram 2</b> 
5-30 VDC	1000	Remote	-25 to +70	IP 67	SS	PA 12	EPTR	N/A	N/A	2M/PVC	3	
	1000	Remote	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	N/A	2M/PVC	3	
	1000	Remote	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	3	
10-30 VDC	1000	≤200	-25 to +70	IP 67	SS	PA 12	EPTR	N/A	YE	2M/PVC	1	<b>Diagram 3</b> 
	1000	≤200	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	1	
	1000	≤150	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	1	
	500	≤200	-25 to +70	IP 67	SS	PA 12	EPTR	N/A	YE	2M/PVC	1	
10-30 VDC	1000	≤200	-25 to +70	IP 67	SS	PA 12	EPTR	N/A	YE	2M/PVC	2	<b>Diagram 4</b> 
	1000	≤200	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	2	
	500	≤200	-25 to +70	IP 67	SS	PA 12	EPTR	N/A	YE	2M/PVC	2	
20-250 VAC 10-300 VDC	20	≤400/300	-25 to +70	IP 67	CPB	PA 12	EPTR	GN	RD	2M/PVC	4	
	20	≤400/300	-25 to +70	IP 67	SS	PA 12	EPTR	GN	RD	2M/PVC	4	
20-250 VAC 10-300 VDC	20	≤400/300	-25 to +70	IP 67	SS	PA 12	EPTR	N/A	RD	2M/PVC	4	
	20	≤400/300	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	RD	2M/PVC	4	
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WIRING DIAGRAM	LOCKNUT LN-M18	SPECIFICATIONS																																														
 <p>OUTPUT: ADZ30X2 SHORT-CIRCUIT AND OVERLOAD PROTECTED</p>		<table border="1"> <tr><td>OPERATING VOLTAGE</td><td>20-250 VAC/10-300 VDC</td></tr> <tr><td>LINE FREQUENCY</td><td>40-60 Hz</td></tr> <tr><td>HYSTERESIS (DIFFERENTIAL TRAVEL)</td><td>3-15% (5% TYPICAL)</td></tr> <tr><td>VOLTAGE DROP ACROSS CONDUCTING SENSOR</td><td>≤ 6.0 V at 400 mA</td></tr> <tr><td>OUTPUT FUNCTION</td><td>NORMALLY OPEN 2-WIRE AC/DC SELF-CONTAINED</td></tr> <tr><td>SHORT-CIRCUIT PROTECTED</td><td>YES</td></tr> <tr><td>TRIGGER CURRENT FOR OVERLOAD PROTECTION</td><td>≥ 440 mA (AC), ≥ 330 mA (DC)</td></tr> <tr><td>CONTINUOUS LOAD CURRENT</td><td>≤ 400 mA (AC), ≤ 300 mA (DC)</td></tr> <tr><td>LEAKAGE (OFF-STATE) CURRENT</td><td>≤ 1.7 mA</td></tr> <tr><td>MINIMUM LOAD CURRENT</td><td>≥ 3.0 mA</td></tr> <tr><td>INRUSH CURRENT</td><td>≤ 3.0 A</td></tr> <tr><td>TIME DELAY BEFORE AVAILABILITY</td><td>≤ 60 ms</td></tr> <tr><td>POWER-ON EFFECT PROTECTION</td><td>PER IEC 947-5-2</td></tr> <tr><td>PROTECTION AGAINST TRANSIENTS</td><td>PER EN 60947-5-2</td></tr> <tr><td>OPERATING TEMPERATURE</td><td>-25°C to +70°C (-13°F to +158°F)</td></tr> <tr><td>ENCLOSURE</td><td>MEETS NEMA 1, 3, 4, 6, 13 AND IEC IP67</td></tr> <tr><td>SHOCK</td><td>30 g, 11 ms</td></tr> <tr><td>VIBRATION</td><td>55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)</td></tr> <tr><td>LED FUNCTION</td><td>GREEN = POWER ON FLASHING GREEN: SHORT-CIRCUIT WARNING RED = OUTPUT ENERGIZED</td></tr> <tr><td>SENSING RANGE</td><td>8 mm = .315" (NOMINAL)</td></tr> <tr><td>SWITCHING FREQUENCY</td><td>150 Hz</td></tr> <tr><td>REPEATABILITY</td><td>≤ 2% OF RATED OPERATING DISTANCE</td></tr> <tr><td>SHIELDED</td><td>YES</td></tr> </table>	OPERATING VOLTAGE	20-250 VAC/10-300 VDC	LINE FREQUENCY	40-60 Hz	HYSTERESIS (DIFFERENTIAL TRAVEL)	3-15% (5% TYPICAL)	VOLTAGE DROP ACROSS CONDUCTING SENSOR	≤ 6.0 V at 400 mA	OUTPUT FUNCTION	NORMALLY OPEN 2-WIRE AC/DC SELF-CONTAINED	SHORT-CIRCUIT PROTECTED	YES	TRIGGER CURRENT FOR OVERLOAD PROTECTION	≥ 440 mA (AC), ≥ 330 mA (DC)	CONTINUOUS LOAD CURRENT	≤ 400 mA (AC), ≤ 300 mA (DC)	LEAKAGE (OFF-STATE) CURRENT	≤ 1.7 mA	MINIMUM LOAD CURRENT	≥ 3.0 mA	INRUSH CURRENT	≤ 3.0 A	TIME DELAY BEFORE AVAILABILITY	≤ 60 ms	POWER-ON EFFECT PROTECTION	PER IEC 947-5-2	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 IP67	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	8 mm = .315" (NOMINAL)	SWITCHING FREQUENCY	150 Hz	REPEATABILITY	≤ 2% OF RATED OPERATING DISTANCE	SHIELDED	YES
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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.	<b>TURCK INC</b> High Technology Sensors and Automation Controls	
MATERIAL BRASS BARREL	TOLERANCES UNLESS OTHERWISE SPECIFIED 0.0384in [1.00mm]	DWT CBM USDR	DATE 09/23/99 SCALE NONE	DESCRIPTION Bi 8-G18-ADZ30X2
FINISH COPPER, NICKEL, CHROME PLATING	UNIT OF MEASUREMENT <b>INCH [ MILLIMETER ]</b> DO NOT SCALE THIS DRAWING		IDENTIFICATION NO. T4209320	REV C
C UPDATE SENSING RANGE	RDS 08/19/04 1185B	FILE: T4209320 SHEET 1 OF 1		
REV DESCRIPTION	BY DATE EDO NO.			