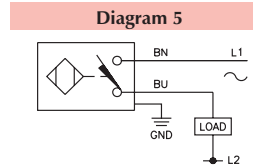
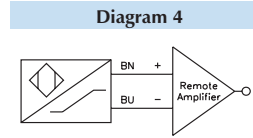
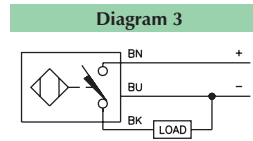
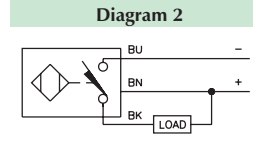
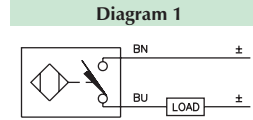


Inductive Sensors

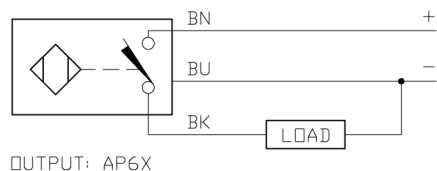


Housing Style	Part Number	ID Number	Features	Sensing Range (mm)	Output
30 mm - Embeddable, Potted-In Cable 	Bi10-G30K-AD4X	T4670695	Short Barrel	10	2-Wire DC
	Bi10-G30K-AN6X	T4671600	Short Barrel	10	3-Wire DC NPN
	Bi10-G30K-AP6X	T4670600	Short Barrel	10	3-Wire DC PNP
	Bi15-G30K-AP6X	T4207300	Short Barrel	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 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
10-30 VDC	500	≤200	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	2	Diagram 1
10-30 VDC	500	≤200	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	3	Diagram 2
10-30 VDC	500	≤200	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	3	Diagram 2
5-30 VDC	200	Remote	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	N/A	2M/PVC	4	Diagram 3
5-30 VDC	200	Remote	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	4	Diagram 3
5-30 VDC	200	Remote	-25 to +70	IP 67	CPB	EPTR	EPTR	N/A	YE	2M/PUR	4	Diagram 3
10-30 VDC	500	≤200	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	2	Diagram 3
10-30 VDC	500	≤200	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	2	Diagram 3
10-30 VDC	500	≤200	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	3	Diagram 3
20-250 VAC	20	≤400/300	-25 to +70	IP 67	SS	PA 12	EPTR	GN	RD	2M/PVC	5	Diagram 4
10-300 VDC	20	≤400/300	-25 to +70	IP 67	CPB	PA 12	EPTR	GN	RD	2M/PVC	5	Diagram 4
10-300 VDC	20	≤400/300	-25 to +70	IP 67	CPB	PA 12	EPTR	GN	RD	2M/PVC	5	Diagram 4
20-250 VAC	20	≤400/300	-25 to +70	IP 67	SS	PA 12	EPTR	N/A	YE	2M/PVC	5	Diagram 5
10-300 VDC	20	≤400/300	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	5	Diagram 5
20-250 VAC	20	≤400/300	-25 to +70	IP 67	TC	TC	EPTR	GN	RD	2M/PVC	5	Diagram 5
10-300 VDC	20	≤400/300	-25 to +70	IP 67	TC	TC	EPTR	GN	RD	2M/PVC	5	Diagram 5

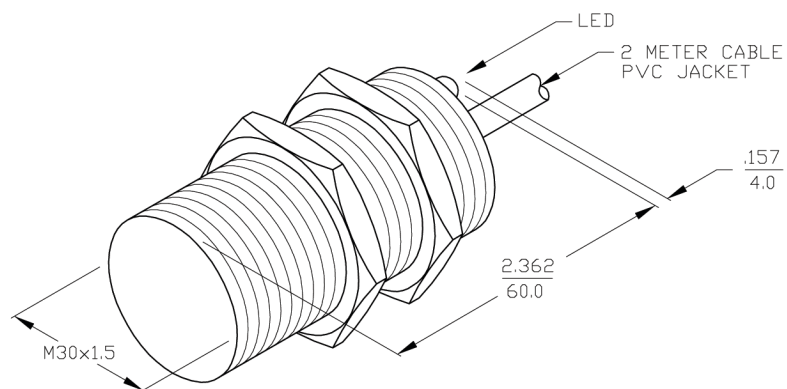
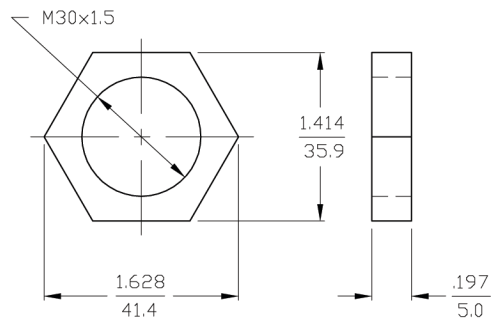


WIRING DIAGRAMS



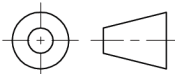
SHORT-CIRCUIT AND OVERLOAD PROTECTED

LOCKNUT LN-M30



SPECIFICATIONS

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	<10 μA
NO-LOAD CURRENT	5.5-9.5 mA
TIME DELAY BEFORE AVAILABILITY	≤8 ms
POWER-ON EFFECT PROTECTION	INCORPORATED
REVERSE POLARITY PROTECTION	INCORPORATED
WIRE-BREAK PROTECTION	INCORPORATED
PROTECTION AGAINST TRANSIENTS	2 kV, 1 ms, 1 kΩ
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	RED: OUTPUT ENERGIZED
SENSING RANGE	10 mm = .394" (NOMINAL)
SWITCHING FREQUENCY	500 Hz
REPEATABILITY	≤2% of RATED OPERATING DISTANCE
EMBEDDABLE (SHIELDED)	YES

MATERIAL		3RD ANGLE PROJECTION			
BRASS BARREL					
FINISH					
COPPER/NICKEL/ CHROME PLATING					
DRWN	SMW	DATE	3/18/87		
CHKD		DATE	B110-G30-AP6X		
TMI					
DIMENSIONS ARE IN		SIZE	ID NO.		REV
		B	4647400		B
INCHES		SCALE		NONE	
mm		BMPC-D\4647400		SHEET	
				OF	

B	SEE REVISION DOCUMENT G30ANAP	GMB	2/20/90	
REV	DESCRIPTION	DRFT	DATE	CHKD
REVISIONS				