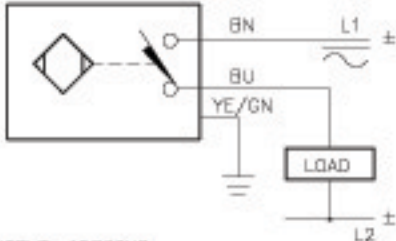
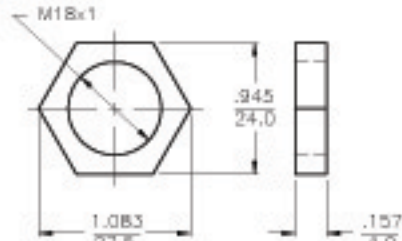


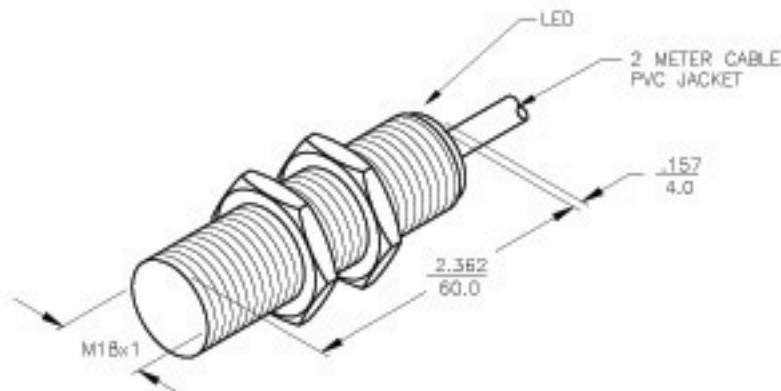
Inductive Sensors



Housing Style	Part Number	ID Number	Features	Sensing Range (mm)	Output
18 mm - Embeddable, Full Threading, Potted-In Cable 	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	
18 mm - Embeddable, Full Threading, Potted-In Cable 	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	
18 mm - Embeddable, Full Threading, Potted-In Cable 	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	Diagram 1
	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	Diagram 2
	1000	≤200	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	2	
5-30 VDC	1000	Remote	-25 to +70	IP 67	SS	PA 12	EPTR	N/A	N/A	2M/PVC	3	Diagram 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	Diagram 4
	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	Diagram 4
	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	Diagram 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	Diagram 4
	20	≤400/300	-25 to +70	IP 67	CPB	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	

WIRING DIAGRAM				LOCKNUT LN-M18		SPECIFICATIONS			
 OUTPUT: ADZ30X2 SHORT-CIRCUIT AND OVERLOAD PROTECTED						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 AMPITUDE (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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1. 2. 3. 4.						DFT CBM		DATE 09/23/99	
MATERIAL				TOLERANCES UNLESS OTHERWISE SPECIFIED		USCH		SCALE NONE	
FINISH				0.0394in [1.00mm]		UNIT OF MEASUREMENT		DESCRIPTION	
COPPER, NICKEL, CHROME PLATING						INCH [MILLIMETER]		Bi 8-G18-ADZ30X2	
								IDENTIFICATION NO.	
								T4209320	
								REV	
								C	
C UPDATE SENSING RANGE				RDS 08/19/04 1185B		DO NOT SCALE THIS DRAWING		FILE: T4209320	
REV DESCRIPTION				BY DATE EDD NO.				SHEET 1 OF 1	