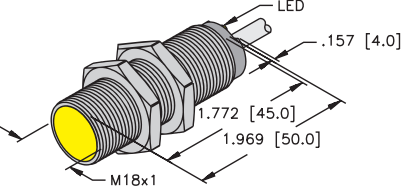
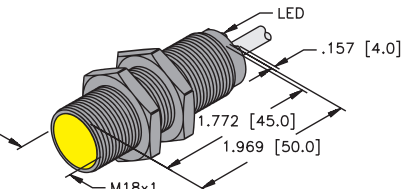


Inductive Sensors

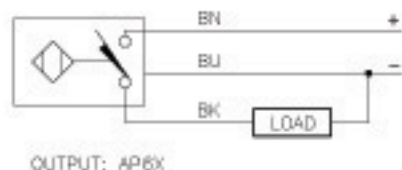


Housing Style	Part Number	ID Number	Features	Sensing Range (mm)	Output
18 mm - Embeddable, Potted-In Cable, Partial Threading 	Bi 5-M18-AD4X	T4411000		5	2-Wire DC
	Bi 7-M18-AD4X	T4414535	Ext. Range	7	
	Bi 5U-EM18-AN6X	M1635320	Uprox	5	3-Wire DC NPN
	Bi 5U-M18-AN6X	M1635120	Uprox	5	
	Bi 8-M18-AN6X	T4615130	Ext. Range	8	
	Bi 5-M18-AN6X	M4611100		5	
	Bi 5-M18-AP6X/S100	M4611004	High Temp. 100°C	5	3-Wire DC PNP
	Bi 5U-EM18-AP6X	M1635300	Uprox	5	
	Bi 5U-M18-AP6X	M1635100	Uprox	5	
	Bi 8-M18-AP6X	T4615030	Ext. Range	8	
	Bi 5-M18-VN4X	T1571100	Comp. Outputs	5	4-Wire DC NPN
	Bi 8-M18-VN4X	T4590703	Comp. Outputs	8	
	Bi 5-M18-VP4X	T1561100	Comp. Outputs	5	4-Wire DC PNP
	Bi 8-M18-VP4X	T4590704	Comp. Outputs	8	
18 mm - Embeddable, Potted-In Cable, Partial Threading, Teflon Coated 	Bi 5U-MT18-ADZ30X2	M4209410	Uprox	5	2-Wire AC/DC

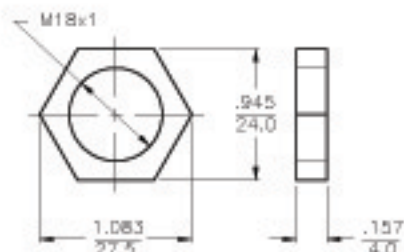
Output	Switching Freq. (Hz)	Operating Current (mA)	Operating Temp. (°C)	Protection	Housing	Face	End Cap	Power LED	Output LED	Cable Length/ Cable Mat.	Wiring Diagram #	Wiring Diagrams
10-65 VDC	1000	≤100	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	1	Diagram 1
	1000	≤100	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	1	
10-30 VDC	2500	≤200	-30 to +85	IP 68	SS	PA 12	EPTR	N/A	YE	2M/PVC	2	Diagram 2
	2500	≤200	-30 to +85	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	
	1000	≤200	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	YE	RK 4T-*	2	
10-30 VDC	1000	≤200	-25 to +100	IP 67	CPB	IRPA	EPTR	N/A	YE	2M/PVC	3	Diagram 3
	2500	≤200	-30 to +85	IP 68	SS	PA 12	EPTR	N/A	YE	2M/PVC	3	
	2500	≤200	-30 to +85	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	3	
	500	≤200	-25 to +70	IP 67	SS	PA 12	EPTR	N/A	YE	2M/PVC	3	
10-65 VDC	1000	≤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	SS	PA 12	EPTR	N/A	YE	2M/PVC	4	
10-65 VDC	1000	≤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	SS	PA 12	EPTR	N/A	YE	2M/PVC	5	
20-250 VAC 10-300 VDC	20	≤400/300	-30 to +85	IP 67	TC	TC	EPTR	GN	YE	2M/PVC	6	Diagram 6

WIRING DIAGRAM

LOCKNUT LN-M18

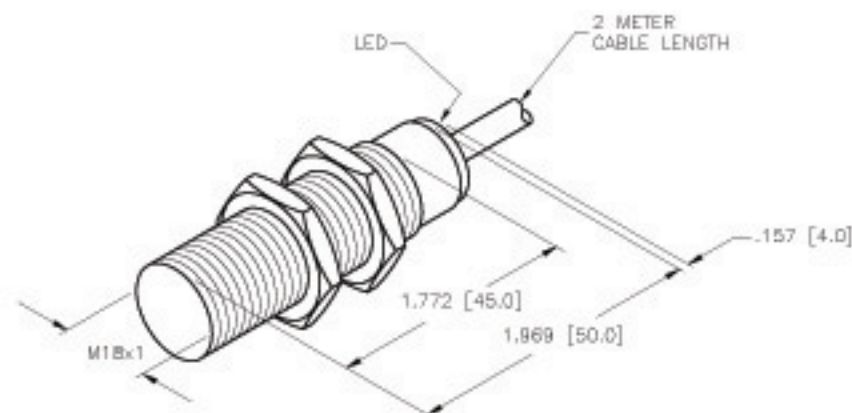


SHORT-CIRCUIT AND OVERLOAD PROTECTED

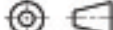


SPECIFICATIONS

OPERATING VOLTAGE	10-30 VDC
RIPPLE	≤ 10%
DIFFERENTIAL TRAVEL (HYSTERESIS)	3-15% (5% TYPICAL)
VOLTAGE DROP ACROSS CONDUCTING SENSOR	≤ 1.5 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)	8mm = .315" (NOMINAL)
SWITCHING FREQUENCY	400 Hz
REPEATABILITY	≤ 2% of RATED OPERATING DISTANCE
EMBEDDABLE (SHIELDED)	YES
MATING PLUGS/CABLES	4-PIN "EUROFAST" CONSTRUCTION



SOURCE DRAWING - FOR REFERENCE ONLY

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MATERIAL BRASS BARREL	TOLERANCES UNLESS OTHERWISE SPECIFIED	DRFT CBM	DATE 09/26/99	DESCRIPTION Bi 8-M18-AP6X	
	0.0394in [1.00mm]	CSCH	SCALE NONE		
FINISH COPPER, NICKEL, CHROME PLATING		UNIT OF MEASUREMENT INCH [MILLIMETER]		IDENTIFICATION NO. T4615030	REV D
		DO NOT SCALE THIS DRAWING		FILE: T4615030	SHEET 1 OF 1