

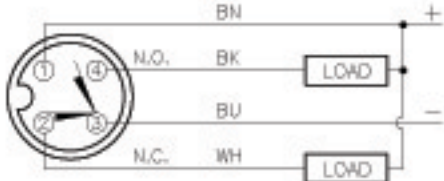
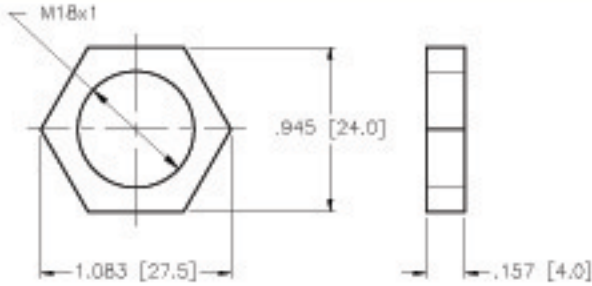
Inductive Sensors

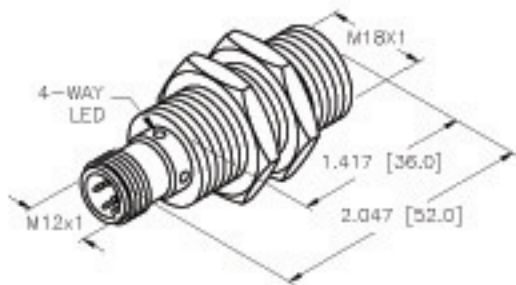


Housing Style	Part Number	ID Number	Features	Sensing Range (mm)	Output
18 mm - Embeddable eurofast® Connection 	Bi 5-M18-AD4X-H1141	T4414500		5	2-Wire DC
	Bi 7-M18-AD4X-H1141	T4414541	Extended Range	7	
	Bi 5-EM18-AN6X-H1141	T4614601		5	3-Wire DC NPN
	Bi 5-M18-AN6X-H1141	T4614600		5	
	Bi 5U-EM18-AN6X-H1141	M1635350	Uprox	5	
	Bi 5U-M18-AN6X-H1141	M1635150	Uprox	5	
	Bi 7-EM18WD-AN6X-H1141	M4614534	Washdown	7	
	Bi 8-M18-AN6X-H1141	T4615100	Extended Range	8	
	Bi 5U-M18-ASIX-H1140	M1901004	Uprox	5	2-Wire ASI-BUS
	Bi 5-EM18-AP6X-H1141	T4614501		5	3-Wire DC PNP
	Bi 5-M18-AP6X-H1141	T4614500		5	
	Bi 5U-EM18-AP6X-H1141	M1635340	Uprox	5	
	Bi 5U-M18-AP6X-H1141	M1635140	Uprox	5	
	Bi 7-EM18WD-AP6X-H1141	M4614531	Washdown	7	
	Bi 7-M18WD-AP6X-H1141	M4614529	Washdown	7	
	Bi 8-M18-AP6X-H1141	T4615000	Ext. Range	8	
	Bi 8-EM18H-AP6X-H1141	T4615094	Ext. Range	8	
	Bi 8-EM18H-AP6X-H1141/S1589	T4615099	weldguard	8	
	Bi 5-EM18-VN4X-H1141	T4614699	Comp. Output	5	4-Wire DC NPN
	Bi 5-M18-VN4X-H1141	T1571800	Comp. Output	5	
	Bi 8-M18-VN4X-H1141	T4590702	Ext. Range	8	4-Wire DC PNP
	Bi 5-M18-VP4X-H1141	T1561800	Comp. Output	5	
	Bi 8-M18-VP4X-H1141	T4590701	Ext. Range	8	
	Bi 5-M18-Y1X-H1141	M4015200		5	2-Wire NAMUR
18 mm - Embeddable eurofast Connection, Stainless Steel 	Bi 5-EM18FM-AP6X-H1141	M4614539	Stainless Steel Front Cap	5	3-Wire DC PNP

Voltage	Switching Freq. (Hz)	Operating Current (mA)	Operating Temp. (°C)	Protection	Housing	Face	Power LED	Output LED	Mating Cordset	Wiring Diagram #	Wiring Diagrams
10-65 VDC	1000	≤100	-25 to +70	IP 67	CPB	PA 12	N/A	YE	RK 4.2T-*	1	Diagram 1
	1000	≤100	-25 to +70	IP 67	CPB	PA 12	N/A	YE	RK 4.2T-*	1	
10-30 VDC	1000	≤200	-25 to +70	IP 67	SS	PA 12	N/A	YE	RKV 4T-*	2	Diagram 2
	1000	≤200	-25 to +70	IP 67	CPB	PA 12	N/A	YE	RK 4T-*	2	
	2500	≤200	-30 to +85	IP 68	SS	PA 12	N/A	YE	RKV 4T-*	2	
	2500	≤200	-30 to +85	IP 67	CPB	PA 12	N/A	YE	RKV 4T-*	2	
	1000	≤200	-25 to +85	IP 68, 69K	SS	PVDF	N/A	YE	RK 4T-*	2	
	500	≤200	-25 to +70	IP 67	SS	PA 12	N/A	YE	RK 4T-*	2	
18-33 VDC	200	N/A	-30 to +85	IP 68	CPB	PA 12	N/A	YE	RKC 254-*M	7	Diagram 3
10-30 VDC	1000	≤200	-25 to +70	IP 67	SS	PA 12	N/A	YE	RKV 4T-*	3	Diagram 4
	1000	≤200	-25 to +70	IP 67	CPB	PA 12	N/A	YE	RK 4T-*	3	
	2500	≤200	-30 to +85	IP 68	SS	PA 12	N/A	YE	RKV 4T-*	3	
	2500	≤200	-30 to +85	IP 67	CPB	PA 12	N/A	YE	RK 4T-*	3	
	1000	≤200	-25 to +85	IP 68, 69K	SS	PVDF	N/A	YE	RK 4T-*	3	
	1000	≤200	-25 to +85	IP 68, 69K	CPB	PA 12	N/A	YE	RK 4T-*	3	
	500	≤200	-25 to +70	IP 67	SS	PA 12	N/A	YE	RK 4T-*	3	
	500	≤200	-25 to +70	IP 67	SS	SF	N/A	YE	RKV 4T-*	3	
	500	≤200	-25 to +70	IP 67	SS	WG	N/A	YE	RKV 4T-*	3	
10-65 VDC	1000	≤200	-25 to +70	IP 67	SS	PA 12	N/A	YE	RKV 4.4T-*	4	Diagram 5
	1000	≤200	-25 to +70	IP 67	CPB	PA 12	N/A	YE	RK 4.4T-*	4	
	500	≤200	-25 to +70	IP 67	SS	PA 12	N/A	YE	RK 4.4T-*	4	
10-65 VDC	1000	≤200	-25 to +70	IP 67	CPB	PA 12	N/A	YE	RK 4.4T-*	5	Diagram 6
	500	≤200	-25 to +70	IP 67	SS	PA 12	N/A	YE	RK 4.4T-*	5	
5-30 VDC	1000	Remote	-25 to +70	IP 67	CPB	PA 12	N/A	YE	RK 4.21T-*	6	Diagram 7
10-30 VDC	180	≤200	-25 to +80	IP 68, 69K	SS	SS	N/A	YE	RKV 4T-*	3	

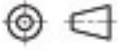
* Length in meters.

WIRING DIAGRAM		LOCKNUT LN-M18	SPECIFICATIONS	
			RATED OPERATING DISTANCE	5mm [.197]
			MOUNTING MODE	FLUSH
			MIN. REPEAT ACCURACY	≤ 2%
			TEMPERATURE DRIFT	≤ ±10%
			HYSTERESIS (SWITCHING DISTANCE)	3-15%
			OPERATING TEMPERATURE	-25°C to +70°C (-13°F to +158°F)
			OPERATING VOLTAGE	10-65 VDC
			RESIDUAL RIPPLE	≤ 10%
			DC RATED OPERATIONAL CURRENT	≤ 200 mA
OUTPUT: VN4X			NO-LOAD CURRENT	≤ 15 mA
			RESIDUAL CURRENT	≤ 0.1 mA
			RATED INSULATION VOLTAGE	≤ 0.5 kV
			SHORT-CIRCUIT PROTECTED	YES
			MAX VOLTAGE DROP	≤ 1.8 V
			WIRE-BREAKAGE PROTECTION	YES
			REVERSE POLARITY PROTECTION	YES
			OUTPUT FUNCTION	4-WIRE, CHANGE-OVER, NPN
			SWITCHING FREQUENCY	≤ 0.5 kHz
			HOUSING MATERIAL	BRASS/CHROME-PLATED
			ACTIVE FACE MATERIAL	PLASTIC, PA12-GF30
			CONNECTOR	M12x1
			SHOCK RESISTANCE	30 g, 11 ms
			VIBRATION RESISTANCE	55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)
			DEGREE OF PROTECTION	IP67
			SWITCHING STATUS INDICATION	LED: YELLOW



NOTE: ALL TOLERANCES ±1.0 mm.

SOURCE DRAWING - FOR REFERENCE ONLY

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				TOLERANCES UNLESS OTHERWISE SPECIFIED		DATE 11/12/98	DESCRIPTION
FINISH				±0.0394 in [±1.00 mm]		SCALE 1 = 1.5	BT 5-M18-VN4X-H1141
				UNIT OF MEASUREMENT		IDENTIFICATION NO.	
				INCH [MILLIMETER]		T1571800	
				DO NOT SCALE THIS DRAWING		REV B	
B MODIFY DRAWING				IK 03/09/00 T3437		FILE: T1571800	
REV DESCRIPTION				BY DATE EDO NO.		SHEET 1 OF 1	