

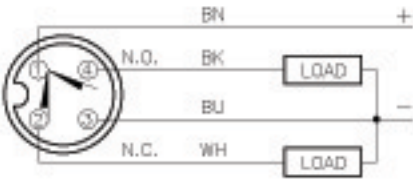
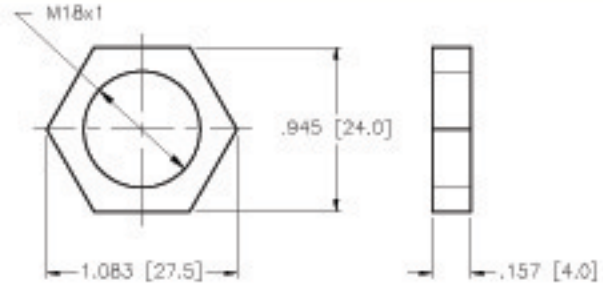
Inductive Sensors

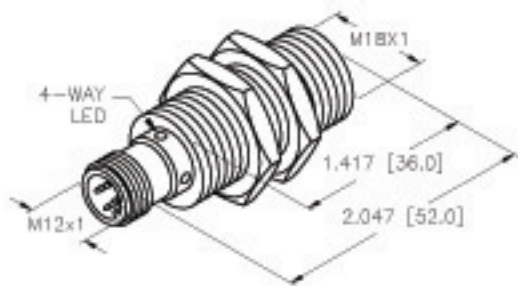


Housing Style	Part Number	ID Number	Features	Sensing Range (mm)	Output
18 mm - Embeddable eurofast® Connection 	Bi 5-M18-AD4X-H1141	T4414500		5	2-Wire DC
	Bi 7-M18-AD4X-H1141	T4414541	Extended Range	7	
	Bi 5-EM18-AN6X-H1141	T4614601		5	3-Wire DC NPN
	Bi 5-M18-AN6X-H1141	T4614600		5	
	Bi 5U-EM18-AN6X-H1141	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	
 OUTPUT: VP4X		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



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, PNP
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	50 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)
DEGREE OF PROTECTION	IP67
SWITCHING STATUS INDICATION	LED: YELLOW

SOURCE DRAWING - FOR REFERENCE ONLY

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MATERIAL				TOLERANCES UNLESS OTHERWISE SPECIFIED		DRAFT IK DASH --	DATE 11/12/98 SCALE 1 = 1.5	DESCRIPTION	
FINISH				± 0.0394 in $[\pm 1.00 \text{ mm}]$		UNIT OF MEASUREMENT		IDENTIFICATION NO.	
						INCH [MILLIMETER]		T1561800	
B MODIFY DRAWING REV DESCRIPTION				IK BY DATE EDO NO.			DO NOT SCALE THIS DRAWING		FILE: T1561800 SHEET 1 OF 1