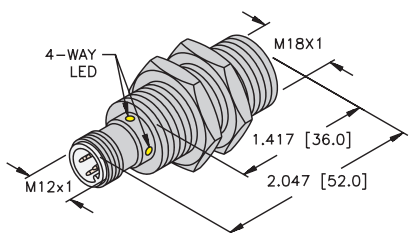
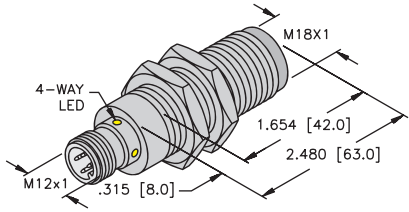
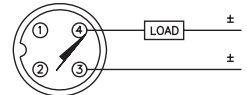
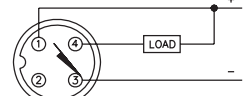
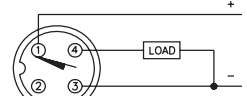
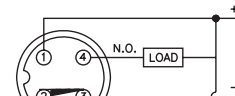
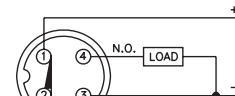
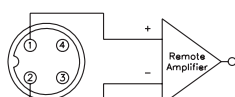
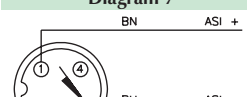
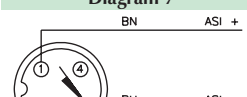


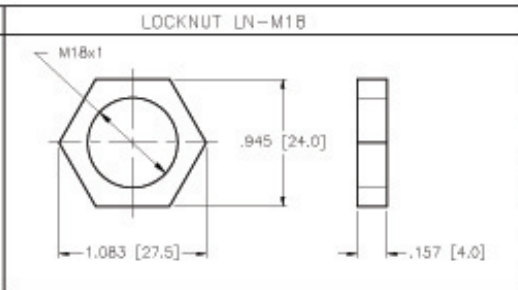
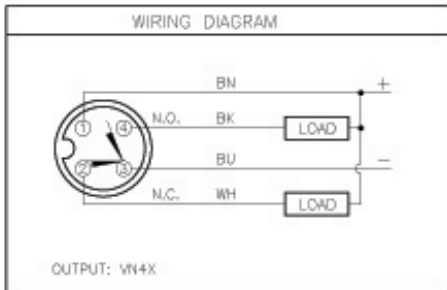
Inductive Sensors



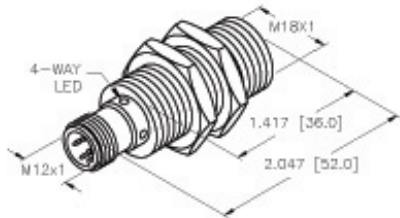
Housing Style	Part Number	ID Number	Features	Sensing Range (mm)	Output
18 mm - Embeddable eurofast® Connection 	Bi 5-M18-AD4X-H1141	T4414500		5	2-Wire DC
	Bi 7-M18-AD4X-H1141	T4414541	<i>Extended Range</i>	7	
	Bi 5-EM18-AN6X-H1141	T4614601		5	3-Wire DC NPN
	Bi 5-M18-AN6X-H1141	T4614600		5	
	Bi 5U-EM18-AN6X-H1141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

* Length in meters.



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



SOURCE DRAWING - FOR REFERENCE ONLY

NOTE: ALL TOLERANCES ±1.0 mm.

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	DRAWN IK	DATE 11/12/98	DESCRIPTION Bf 5-M18-VN4X-H1141
FINISH	±0.0394 in [±1.00 mm]	UNIT OF MEASUREMENT INCH [MILLIMETER]	SCALE 1=1.5	IDENTIFICATION NO. T1571800	REV B
DO NOT SCALE THIS DRAWING			FILE: T1571800	SHEET 1 OF 1	

B	MODIFY DRAWING	IK	03/08/00	T3437
REV	DESCRIPTION	BY	DATE	EDD NO.