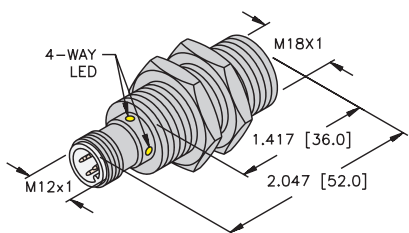
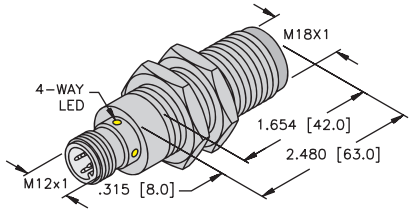
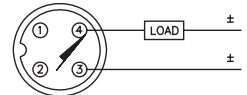
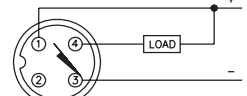
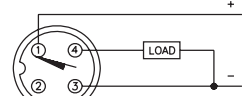
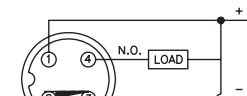
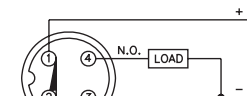
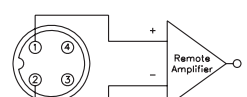
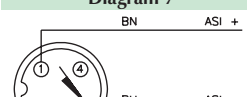
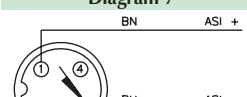


# Inductive Sensors

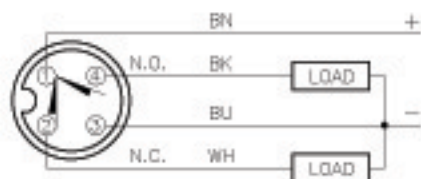


Housing Style	Part Number	ID Number	Features	Sensing Range (mm)	Output	
<b>18 mm - Embeddable eurofast® Connection</b> 	Bi 5-M18-AD4X-H1141	T4414500		5	2-Wire DC	
	Bi 7-M18-AD4X-H1141	T4414541	<i>Extended Range</i>	7		
	Bi 5-EM18-AN6X-H1141	T4614601		5	3-Wire DC NPN	
	Bi 5-M18-AN6X-H1141	T4614600		5		
	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
	<b>18 mm - Embeddable eurofast Connection, Stainless Steel</b> 	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	<b>Diagram 1</b> 
	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	<b>Diagram 2</b> 
	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	2	
18-33 VDC	200	N/A	-30 to +85	IP 68	CPB	PA 12	N/A	YE	RKC 254-*M	7	<b>Diagram 3</b> 
10-30 VDC	1000	≤200	-25 to +70	IP 67	SS	PA 12	N/A	YE	RKV 4T-*	3	<b>Diagram 4</b> 
	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	<b>Diagram 5</b> 
	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	<b>Diagram 6</b> 
	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	<b>Diagram 7</b> 
10-30 VDC	180	≤200	-25 to +80	IP 68, 69K	SS	SS	N/A	YE	RKV 4T-*	3	

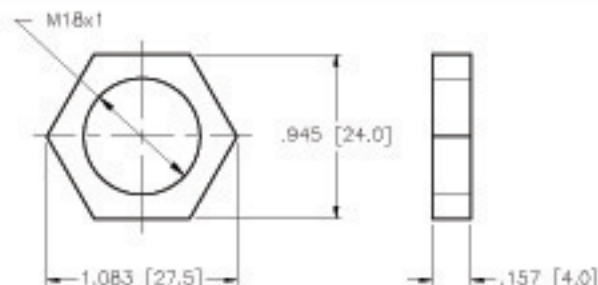
\* Length in meters.

## WIRING DIAGRAM



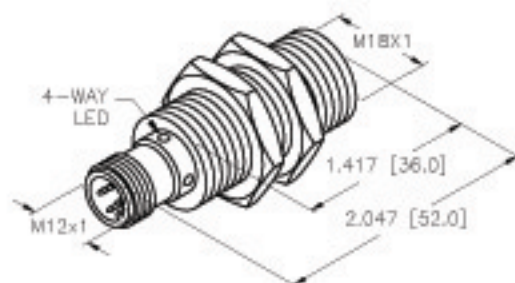
OUTPUT: VP4X

## 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
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

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.		<b>TURCK INC</b> High Technology Sensors and Automation Controls			
	MATERIAL	TOLERANCES UNLESS OTHERWISE SPECIFIED	DRAFT IK			DATE 11/12/98	DESCRIPTION Bi 5-M18-VP4X-H1141
FINISH	±0.0394 in. [±1.00 mm]	USDAH --	SCALE 1 = 1.0	UNIT OF MEASUREMENT <b>INCH [ MILLIMETER ]</b>	IDENTIFICATION NO. T1561800		
REV	DESCRIPTION	BY	DATE	EDD NO.	DO NOT SCALE THIS DRAWING	FILE: T1561800	SHEET 1 OF 1

B	MODIFY DRAWING	IK	03/09/00	T3437
REV	DESCRIPTION	BY	DATE	EDD NO.