

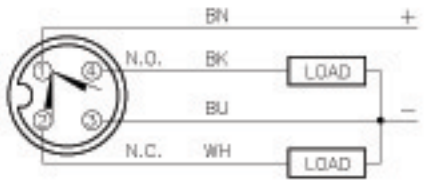
Inductive Sensors

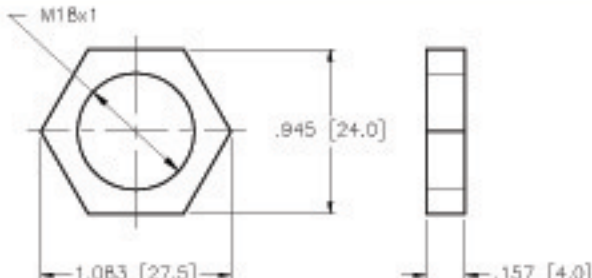


Housing Style	Part Number	ID Number	Features	Sensing Range (mm)	Output
18 mm - Embeddable eurofast® Connection 	Bi 5-M18-AD4X-H1141	T4414500		5	2-Wire DC
	Bi 7-M18-AD4X-H1141	T4414541	Extended Range	7	
	Bi 5-EM18-AN6X-H1141	T4614601		5	3-Wire DC NPN
	Bi 5-M18-AN6X-H1141	T4614600		5	
	Bi 5U-EM18-AN6X-H1141	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	
	Bi 5-M18-VP4X-H1141	T1561800	Comp. Output	5	4-Wire DC PNP
	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

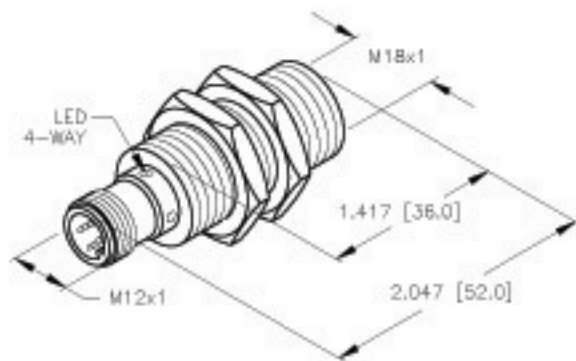
Voltage	Switching Freq. (Hz)	Operating Current (mA)	Operating Temp. (°C)	Protection	Housing	Face	Power LED	Output LED	Mating Cordset	Wiring Diagram #	Wiring Diagrams
10-65 VDC	1000	≤100	-25 to +70	IP 67	CPB	PA 12	N/A	YE	RK 4.2T-*	1	Diagram 1
	1000	≤100	-25 to +70	IP 67	CPB	PA 12	N/A	YE	RK 4.2T-*	1	
10-30 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	
	
OUTPUT: VP4X	

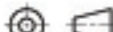
LOCKNUT 5S-M18	
	

SPECIFICATIONS	
OPERATING VOLTAGE	10-65 V DC (SHORT-CIRCUIT PROTECTED)
RIPPLE	≤10%
HYSTERESIS (DIFFERENTIAL TRAVEL)	3-15% (5% TYPICAL)
VOLTAGE DROP ACROSS CONDUCTING SENSOR	≤1.8 V at 200 mA
OUTPUT FUNCTION	COMPLEMENTARY OUTPUT ONE N.O., ONE N.C. (SPDT)
TTL COMPATIBLE	NO
SHORT-CIRCUIT PROTECTED	YES
TRIGGER CURRENT FOR OVERLOAD PROTECTION	≥220 mA
CONTINUOUS LOAD CURRENT	≤200 mA



SOURCE DRAWING - FOR REFERENCE ONLY

NOTE: ALL DIMENSION TOLERANCES ARE ±1.0 mm.

NOTE: ALL DIMENSION TOLERANCES ARE ±1.0 mm.					RELATED DOCUMENTS		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				
					1.				DATE 05/09/01		DESCRIPTION Bi 8-M18-VP4X-H1141				
					2.										
					3.										
4.		MATERIAL STAINLESS STEEL		TOLERANCES UNLESS OTHERWISE SPECIFIED		DRFT IK		SCALE 1=1.5		IDENTIFICATION NO. T4590701		REV A			
		FINISH		±0.0394 in. [±1.00 mm]		UNIT OF MEASUREMENT INCH [MILLIMETER]		DO NOT SCALE THIS DRAWING							
A		DRAWING RELEASE		RDS		07/20/05									
REV		DESCRIPTION		BY		DATE		EDD NO.				FILE: T4590701		SHEET 1 OF 1	