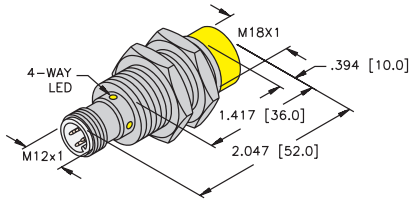
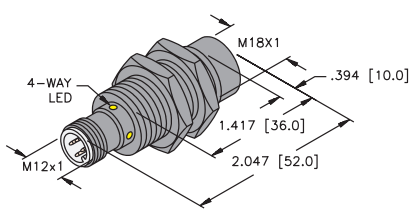
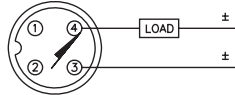
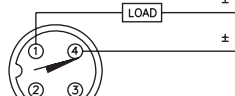
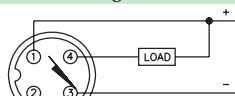
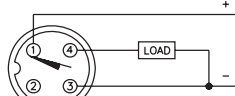
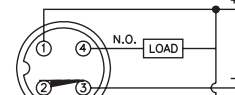
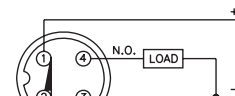
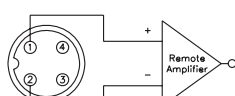
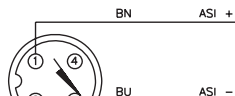


Inductive Sensors

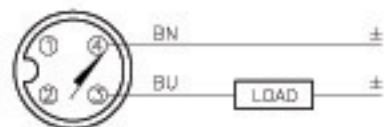


Housing Style	Part Number	ID Number	Features	Sensing Range (mm)	Output
18 mm - Nonembeddable, eurofast® Connection 	Ni 8-M18-AD4X-H1141	T4414700		8	2-Wire DC
	Ni 8-M18-AD4X-H1144	T4411288		8	
	Ni 14-M18-AD4X-H1141	T4417241	<i>Ext. Range</i>	14	
	Ni 14-M18-AD4X-H1144	T4417290	<i>Ext. Range</i>	14	
	Ni 8-M18-AN6X-H1141	T4614800		8	3-Wire DC NPN
	Ni 10-EM18WD-AN6X-H1141	M4653433	<i>Washdown</i>	10	
	Ni 10-M18-AN6X-H1141	T4614892		10	
	Ni 10-M18WD-AN6X-H1141	M4653440	<i>Washdown</i>	10	
	Ni 12U-EM18-AN6X-H1141	M1645350	<i>Uprox</i>	12	
	Ni 12U-EM18-AN6X2-H1141	M1645355	<i>Uprox</i>	12	
	Ni 15U-EM18WD-AN6X-H1141	M1634835	<i>Uprox Washdown</i>	15	
	Ni 12U-M18-AN6X-H1141	M1645150	<i>Uprox</i>	12	
	Ni 12U-M18-AN6X2-H1141	M1645155	<i>Uprox</i>	12	
	Ni 14-M18-AN6X-H1141	T4611410	<i>Ext. Range</i>	14	
	Ni 8-M18-AP6X-H1141	T4614700		8	3-Wire DC PNP
	Ni 10-EM18WD-AP6X-H1141	M4653419	<i>Washdown</i>	10	
	Ni 10-M18-AP6X-H1141	T4641291		10	
	Ni 12U-EM18-AP6X-H1141	M1645340	<i>Uprox</i>	12	
	Ni 12U-EM18-AP6X2-H1141	M1645345	<i>Uprox</i>	12	
	Ni 12U-M18-AP6X-H1141	M1645140	<i>Uprox</i>	12	
Ni 12U-M18-AP6X2-H1141	M1645145	<i>Uprox</i>	12		
Ni 14-M18-AP6X-H1141	T4611400	<i>Ext. Range</i>	14		
Ni 8-M18-VN4X-H1141	T1571900	<i>Comp. Outputs</i>	8	4-Wire DC NPN	
Ni 14-M18-VN4X-H1141	T4590603	<i>Ext. Range</i>	14		
Ni 8-M18-VP4X-H1141	T1561900	<i>Comp. Outputs</i>	8	4-Wire DC PNP	
Ni 14-M18-VP4X-H1141	T4590602	<i>Ext. Range</i>	14		
Ni 10-M18-Y1X-H1141	M4015300		10	2-Wire NAMUR	
Ni 12U-M18-ASIX-H1140	M1901005	<i>Uprox</i>	12	2-Wire ASI-BUS	
18 mm - Nonembeddable, eurofast connection, Teflon Coated 	Ni 12U-MT18-AN6X-H1141	M1645250	<i>Uprox</i>	12	3-Wire DC NPN
	Ni 12U-MT18-AP6X-H1141	M1645240	<i>Uprox</i>	12	3-Wire DC PNP
	Ni 12U-MT18-AP6X2-H1141	M1645245	<i>Uprox</i>	12	
	Ni 12U-MT18H-AP6X-H1141/S1589	M1645292	<i>weldguard® Uprox</i>	12	
	Ni 12U-MT18H-AP6X2-H1141/S1589	M1645293	<i>weldguard Uprox</i>	12	

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	500	≤100	-25 to +70	IP 67	CPB	PA 12	N/A	YE	RK 4.2T-*	1	Diagram 1 
	500	≤100	-25 to +70	IP 67	CPB	PA 12	N/A	YE	RK 4.2T-*/S674	2	
	500	≤100	-25 to +70	IP 67	CPB	PA 12	N/A	YE	RK 4.2T-*	1	
	500	≤100	-25 to +70	IP 67	CPB	PA 12	N/A	YE	RK 4.2T-*/S674	2	
10-30 VDC	1000	≤200	-25 to +70	IP 67	CPB	PA 12	N/A	YE	RK 4T-*	3	Diagram 2 
	500	≤200	-25 to +85	IP 68, IP 69K	SS	PVDF	N/A	YE	RK 4T-*	3	
	1000	≤200	-25 to +70	IP 67	CPB	PA 12	N/A	YE	RK 4T-*	3	
	1000	≤200	-25 to +70	IP 67	CPB	PA 12	N/A	YE	RK 4T-*	3	
	2000	≤200	-30 to +85	IP 68	SS	PA 12	N/A	YE	RKV 4T-*	3	
	2000	≤200	-30 to +85	IP 68	SS	PA 12	GN	YE	RKV 4T-*	3	
	1000	≤200	-30 to +85	IP 68, IP 69K	SS	PVDF	N/A	YE	RK 4T-*	3	
	2000	≤200	-30 to +85	IP 67	CPB	PA 12	N/A	YE	RK 4T-*	3	
	2000	≤200	-30 to +85	IP 67	CPB	PA 12	GN	YE	RK 4T-*	3	
	500	≤200	-25 to +70	IP 67	CPB	PA 12	N/A	YE	RK 4T-*	3	
10-30 VDC	1000	≤200	-25 to +70	IP 67	CPB	PA 12	N/A	YE	RK 4T-*	4	Diagram 3 
	500	≤200	-25 to +85	IP 68, 69K	SS	PVDF	N/A	YE	RK 4T-*	4	
	1000	≤200	-25 to +70	IP 67	CPB	PA 12	N/A	YE	RK 4T-*	4	
	2000	≤200	-30 to +85	IP 68	SS	PA 12	N/A	YE	RKV 4T-*	4	
	2000	≤200	-30 to +85	IP 68	SS	PA 12	GN	YE	RKV 4T-*	4	
	2000	≤200	-30 to +85	IP 67	CPB	PA 12	N/A	YE	RK 4T-*	4	
	2000	≤200	-30 to +85	IP 67	CPB	PA 12	GN	YE	RK 4T-*	4	
	500	≤200	-25 to +70	IP 67	CPB	PA 12	N/A	YE	RK 4T-*	4	
10-65 VDC	1000	≤200	-25 to +70	IP 67	CPB	PA 12	N/A	YE	RK 4.4T-*	5	Diagram 4 
	1000	≤200	-25 to +70	IP 67	CPB	PA 12	N/A	YE	RK 4.4T-*	5	
10-65 VDC	1000	≤200	-25 to +70	IP 67	CPB	PA 12	N/A	YE	RK 4.4T-*	6	Diagram 5 
	1000	≤200	-25 to +70	IP 67	CPB	PA 12	N/A	YE	RK 4.4T-*	6	
5-30 VDC	500	Remote	-25 to +70	IP 67	CPB	PA 12	N/A	YE	RK 4.21T-*	7	Diagram 6 
	200	N/A	-30 to +85	IP 68	CPB	PA 12	N/A	YE	RKC 254-*M	8	
10-30 VDC	2000	≤200	-30 to +85	IP 67	TC	TC	N/A	YE	RK 4T-*	3	Diagram 7 
	2000	≤200	-30 to +85	IP 67	TC	TC	GN	YE	RK 4T-*	4	
10-30 VDC	2000	≤200	-30 to +85	IP 67	TC	TC	N/A	YE	RK 4T-*	4	Diagram 8 
	2000	≤200	-30 to +85	IP 67	TC	TC	GN	YE	RK 4T-*	4	
	2000	≤200	-30 to +85	IP 67	TC	WG	N/A	YE	RKG 4T-*/S600	4	
	2000	≤200	-30 to +85	IP 67	TC	WG	GN	YE	RKG 4T-*/S600	4	

* Length in meters.

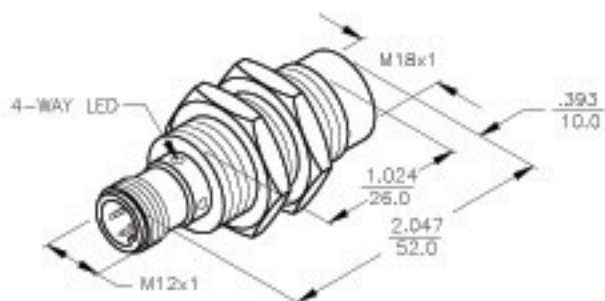
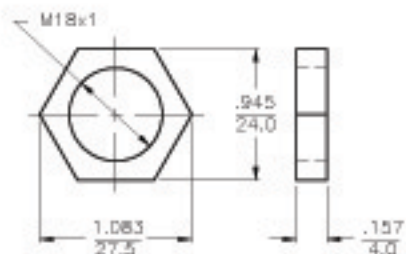
WIRING DIAGRAM



OUTPUT: AD4X

SHORT-CIRCUIT AND OVERLOAD PROTECTED

LOCKNUT LN-M18



SPECIFICATIONS

OPERATING VOLTAGE	10-85 VDC
RIPPLE	≤ 10%
DIFFERENTIAL TRAVEL (HYSTERESIS)	1-15% (5% TYPICAL)
VOLTAGE DROP ACROSS CONDUCTING SENSOR	≤ 5 V at 100 mA
OUTPUT FUNCTION	NORMALLY OPEN 2-WIRE DC SELF-CONTAINED
TTL COMPATIBLE	NO
SHORT-CIRCUIT PROTECTED	YES
TRIGGER CURRENT FOR OVERLOAD PROTECTION	≥ 120 mA
CONTINUOUS LOAD CURRENT	≤ 100 mA
OFF-STATE (LEAKAGE) CURRENT	≤ 0.6 mA
TIME DELAY BEFORE AVAILABILITY	≤ 3 ms
POWER-ON EFFECT	PER IEC 947-5-2
REVERSE POLARITY PROTECTION	INCORPORATED
PROTECTION AGAINST TRANSIENTS	Per EN 60947-5-2
OPERATING TEMPERATURE (10% DRIFT)	-25°C to +70°C (-13°F to +158°F)
ENCLOSURE	MEETS NEMA 1, 3, 4, 6, 13 AND IEC IP67
SHOCK	30 g, 11 ms
VIBRATION	55 Hz, 1 mm AMPITUDE (IN ALL 3 PLANES)
LED FUNCTION	YELLOW: OUTPUT ENERGIZED
RATED OPERATING DISTANCE(S _n)	14mm = .551" (NOMINAL)
SWITCHING FREQUENCY	500 Hz
REPEATABILITY	< 2% of RATED OPERATING DISTANCE
EMBEDDABLE (SHIELDED)	NO
MATING PLUGS/CABLES	4-PIN "EUROFAST" CONSTRUCTION

RELATED DOCUMENTS

- 1.
- 2.
- 3.
- 4.

3RD ANGLE PROJECTION



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TURCK INC
High Technology Sensors and Automation Controls

MATERIAL
BRASS BARREL

TOLERANCES UNLESS
OTHERWISE SPECIFIED

DRFT CBM

DATE 09/26/99

DESCRIPTION

Ni14-M18-AD4X-H1141

FINISH
COPPER, NICKEL,
CHROME PLATING

0.0384in [1.00mm]

USDR

SCALE NONE

UNIT OF MEASUREMENT
INCH [MILLIMETER]

IDENTIFICATION NO.

T4417241

REV
C

C UPDATE OPERATING VOLTAGE

BY JBJ 03-13-00

T3434

REV DESCRIPTION

BY

DATE

EDD NO.

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FILE: T4417241

SHEET 1 OF 1