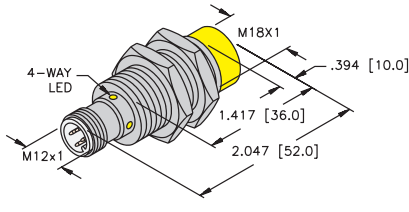
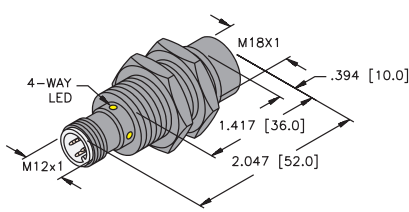
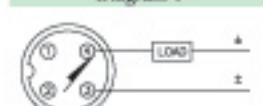

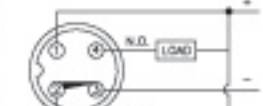



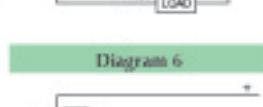


# Inductive Sensors

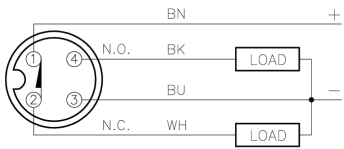


Housing Style	Part Number	ID Number	Features	Sensing Range (mm)	Output
<b>18 mm - Nonembeddable, eurofast® Connection</b> 	Ni 8-M18-AD4X-H1141	T4414700		8	2-Wire DC
	Ni 8-M18-AD4X-H1144	T4411288		8	
	Ni 14-M18-AD4X-H1141	T4417241	<i>Ext. Range</i>	14	
	Ni 14-M18-AD4X-H1144	T4417290	<i>Ext. Range</i>	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	
<b>18 mm - Nonembeddable, eurofast connection, Teflon Coated</b> 	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	<p>Diagram 1</p> 
	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	<p>Diagram 2</p>  <p>Diagram 3</p>  <p>Diagram 4</p>  <p>Diagram 5</p>  <p>Diagram 6</p>  <p>Diagram 7</p>  <p>Diagram 8</p> 
	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	RKY 4T-*/	3	
	2000	≤200	-30 to +85	IP 68	SS	PA 12	GN	YE	RKY 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	<p>Diagram 4</p>  <p>Diagram 5</p>  <p>Diagram 6</p>  <p>Diagram 7</p>  <p>Diagram 8</p> 
	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	RKY 4T-*/	4	
	2000	≤200	-30 to +85	IP 68	SS	PA 12	GN	YE	RKY 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	<p>Diagram 6</p> 
	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	<p>Diagram 6</p> 
	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	<p>Diagram 7</p> 
18-33 VDC	200	N/A	-30 to +85	IP 68	CPB	PA 12	N/A	YE	RKC 254-*/M	8	<p>Diagram 7</p> 
10-30 VDC	2000	≤200	-30 to +85	IP 67	TC	TC	N/A	YE	RK 4T-*/	3	<p>Diagram 7</p> 
10-30 VDC	2000	≤200	-30 to +85	IP 67	TC	TC	N/A	YE	RK 4T-*/	4	<p>Diagram 8</p> 
	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

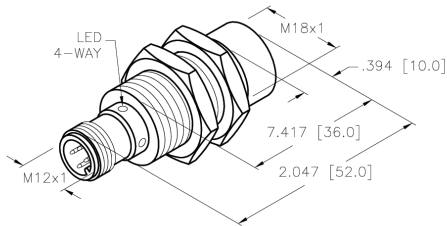


OUTPUT: VP4X

SHORT-CIRCUIT AND OVERLOAD PROTECTED

SPECIFICATIONS

RATED OPERATING DISTANCE	14mm [.551"]
MOUNTING MODE	NON-FLUSH
MIN. REPEAT ACCURACY	≤ 2%
TEMPERATURE DRIFT	≤ ±10%
HYSTERESIS	3-15%
AMBIENT TEMPERATURE	-25°C to +70°C (-13°F to +158°F)
OPERATING VOLTAGE	10-65 VDC
RESIDUAL RIPPLE	≤ 10%
DC OPERATIONAL CURRENT	≤ 200 mA
NO-LOAD CURRENT	≤ 15 mA
RESIDUAL CURRENT	≤ 0.1 mA
RATED INSULATION VOLTAGE	≤ 0.5 kV
SHORT-CIRCUIT PROTECTION	YES
MAX. VOLTAGE DROP	≤ 1.8 V
WIRE BREAKAGE PROTECTION	INCORPORATED
REVERSE POLARITY PROTECTION	INCORPORATED
OUTPUT FUNCTION	4-WIRE, CHANGE-OVER, PNP
MAX. SWITCHING FREQUENCY	≤ 0.5 kHz
HOUSING MATERIAL/PLATING	BRASS/CHROME
ACTIVE FACE MATERIAL	PLASTIC, PA12-GF20
CONNECTOR	M12x1
VIBRATION RESISTANCE	55 Hz (IN ALL 3 PLANES)
SHOCK RESISTANCE	30 g, 11 ms
DEGREE OF PROTECTION	IP 67
SWITCHING STATUS INDICATION	LED, YELLOW



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		DRFT IK	DATE 03/14/01	DESCRIPTION NI14-M18-VP4X-H1141	
MATERIAL SEE SPECS.	TOLERANCES UNLESS OTHERWISE SPECIFIED	DGN af	SCALE 1=1.5	IDENTIFICATION NO. T4590602	
FINISH SEE SPECS.	±0.0394 in [±1.00 mm]	UNIT OF MEASUREMENT <b>INCH [ MILLIMETER ]</b>		REV A	
DO NOT SCALE THIS DRAWING		FILE: T4590602		SHEET 1 OF 1	

A	DRAWING RELEASE	RDS	01/30/07	
REV	DESCRIPTION	BY	DATE	ECO. NO.