

# Inductive Sensors



Housing Style	Part Number	ID Number	Features	Sensing Range (mm)	Output	
<b>18 mm - Nonembeddable, eurofast® Connection</b> 	Ni 12U-EM18-AN6X-H1141/S395	M1645351	<i>Uprox</i>	12	3-Wire DC NPN	
	Ni 12U-EM18H-AN6X2-H1141/S395/S1589	M1645490	<i>weldguard® Uprox</i>	12		
	Ni 12U-M18-AN6X-H1141/S395	M1645151	<i>Uprox</i>	12		
		Ni 12U-EM18-AP6X-H1141/S395	M1645342	<i>Uprox</i>	12	3-Wire DC PNP
		Ni 12U-EM18-AP6X2-H1141/S395	M1645304	<i>Uprox</i>	12	
		Ni 12U-EM18H-AP6X2-H1141/S395/S1589	M1645491	<i>weldguard Uprox</i>	12	
		Ni 12U-M18-AP6X-H1141/S395	M1645142	<i>Uprox</i>	12	
		Ni 12U-M18M-VN4X-H1141	M1581552	<i>Comp. Output</i>	12	4-Wire DC NPN
		Ni 12U-M18M-VP4X-H1141	M1581458	<i>Comp. Output</i>	12	4-Wire DC PNP
		<b>18 mm - Nonembeddable, eurofast Connection, Teflon Coated</b> 	Ni 12U-MT18-AN6X-H1141/S395	M1645251	<i>Uprox</i>	12
Ni 12U-MT18H-AN6X2-H1141/S395/S1589	M1645290		<i>weldguard Uprox</i>	12		
	Ni 12U-MT18-AP6X-H1141/S395		M1645242	<i>Uprox</i>	12	3-Wire DC PNP
	Ni 12U-MT18-AP6X2-H1141/S395		M1645246	<i>Uprox</i>	12	
	Ni 12U-MT18H-AP6X2-H1141/S395/S1589		M1645291	<i>weldguard Uprox</i>	12	
<b>18 mm - Nonembeddable, Ext. Barrel Length eurofast Connection</b> 	Ni 8-M18E-AD4X-H1141	T4411210		8	2-Wire DC	
	Ni 14-M18E-AD4X-H1141	T4417292	<i>Ext. Range</i>	14		
		Ni 10-M18E-AN6X-H1141	T4614894		10	3-Wire DC NPN
		Ni 14-EM18HE-AN6X-H1141/S1589	T4611494	<i>weldguard</i>	14	
		Ni 14-M18E-AN6X-H1141	T4611483	<i>Ext. Range</i>	14	
		Ni 8-M18E-AP6X-H1141	T4614794		8	3-Wire DC PNP
		Ni 10-M18E-AP6X-H1141	T4641294		10	
		Ni 12U-M18E-AP6X-H1141	M1645143	<i>Uprox</i>	12	
		Ni 14-EM18HE-AP6X-H1141/S1589	T4611495	<i>weldguard</i>	14	
	Ni 14-M18E-AP6X-H1141	T4611489	<i>Ext. Range</i>	14		
	Ni 8-M18E-VN4X-H1141	T1571990	<i>Comp. Output</i>	8	4-Wire DC NPN	
	Ni 8-M18E-VP4X-H1141	T1561990	<i>Comp. Output</i>	8	4-Wire DC PNP	
	<b>18 mm - Nonembeddable, Ext. Barrel Length eurofast Connection, Teflon Coated</b> 	Ni 14-MT18HE-AN6X-H1141/S1589	T4611496	<i>weldguard</i>	14	3-Wire DC NPN
Ni 14-MT18HE-AP6X-H1141/S1589		T4611497	<i>weldguard</i>	14	3-Wire DC PNP	

For detailed sensor specifications see Section M.  
 Normally Closed versions available upon request, consult factory.



Voltage	Switching Freq. (Hz)	Operating Current (mA)	Operating Temp. (°C)	Protection	Housing	Face	Power LED	Output LED	Mating Cordset	Wiring Diagram #	Wiring Diagrams
10-30 VDC	2000	≤200	-30 to +85	IP 68	SS	PA 12	N/A	YE	RKV 4T-*	2	<b>Diagram 1</b> 
	2000	≤200	-30 to +85	IP 68	SS	WG	GN	YE	RKG 4T-*/S600	2	
	2000	≤200	-30 to +85	IP 67	CPB	PA 12	N/A	YE	RK 4T-*	2	
10-30 VDC	2000	≤200	-30 to +85	IP 68	SS	PA 12	N/A	YE	RKV 4T-*	3	<b>Diagram 2</b> 
	2000	≤200	-30 to +85	IP 68	SS	PA 12	GN	YE	RKV 4T-*	3	
	2000	≤200	-30 to +85	IP 68	SS	WG	GN	YE	RKG 4T-*/S600	3	
	2000	≤200	-30 to +85	IP 67	CPB	PA 12	N/A	YE	RK 4T-*	3	
10-65 VDC	2000	≤200	-30 to +85	IP 67	CPB	PA 12	N/A	YE	RK 4.4T-*	4	<b>Diagram 3</b> 
10-65 VDC	2000	≤200	-30 to +85	IP 67	CPB	PA 12	N/A	YE	RK 4.4T-*	5	
10-30 VDC	2000	≤200	-30 to +85	IP 67	TC	TC	N/A	YE	RK 4T-*	2	<b>Diagram 4</b> 
	2000	≤200	-30 to +85	IP 67	TC	WG	GN	YE	RKG 4T-*/S600	2	
10-30 VDC	2000	≤200	-30 to +85	IP 67	TC	TC	N/A	YE	RK 4T-*	3	<b>Diagram 5</b> 
	2000	≤200	-30 to +85	IP 67	TC	TC	GN	YE	RK 4T-*	3	
	2000	≤200	-30 to +85	IP 67	TC	WG	GN	YE	RKG 4T-*/S600	3	
10-65 VDC	1000	≤100	-25 to +70	IP 67	CPB	PA 12	N/A	YE	RK 4.2T-*	1	<b>Diagram 5</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	CPB	PA 12	N/A	YE	RK 4T-*	2	<b>Diagram 5</b> 
	1000	≤200	-25 to +70	IP 67	SS	WG	N/A	YE	RKG 4T-*/S600	2	
	1000	≤200	-25 to +70	IP 67	CPB	PA 12	N/A	YE	RK 4T-*	2	
10-30 VDC	1000	≤200	-25 to +70	IP 67	CPB	PA 12	N/A	YE	RK 4T-*	3	<b>Diagram 5</b> 
	1000	≤200	-25 to +70	IP 67	CPB	PA 12	N/A	YE	RK 4T-*	3	
	2000	≤200	-30 to +85	IP 67	CPB	PA 12	N/A	YE	RK 4T-*	3	
	1000	≤200	-25 to +70	IP 67	SS	WG	N/A	YE	RKG 4T-*/S600	3	
	1000	≤200	-25 to +70	IP 67	CPB	PA 12	N/A	YE	RK 4T-*	3	
10-65 VDC	1000	≤200	-25 to +70	IP 67	CPB	PA 12	N/A	YE	RK 4.4T-*	4	<b>Diagram 5</b> 
10-65 VDC	1000	≤200	-25 to +70	IP 67	CPB	PA 12	N/A	YE	RK 4.4T-*	5	
10-30 VDC	500	≤200	-25 to +70	IP 67	TC	WG	N/A	YE	RKG 4T-*/S600	2	<b>Diagram 5</b> 
10-30 VDC	500	≤200	-25 to +70	IP 67	TC	WG	N/A	YE	RKG 4T-*/S600	3	

Barrels

\* Length in meters.

For material descriptions see page M22.