

# Inductive Sensors



Housing Style	Part Number	ID Number	Features	Embeddable	Sensing Range (mm)	Output	
<b>12 mm - Embeddable/Nonembeddable, Plastic, Potted-In Cable</b> 	Bi 3U-S12-AN6X	M1634520	<i>Uprox</i>	•	3	3-Wire DC NPN	
	Ni 8U-S12-AN6X	M1644520	<i>Uprox</i>		8		
	Bi 3U-S12-AP6X	M1634500	<i>Uprox</i>	•	3	3-Wire DC PNP	
	Ni 8U-S12-AP6X	M1644500	<i>Uprox</i>		8		
	<b>12 mm - Embeddable/Nonembeddable, Plastic, Potted-In Cable</b> 	Bi 2-S12-AD4X	T4453000		•	2	2-Wire DC
		Ni 4-S12-AD4X	T4453200			4	
Bi 2-S12-AN6X		T4653100		•	2	3-Wire DC NPN	
Bi 2-S12-AN7X		T1713800	<i>TTL Compatible</i>	•	2		
Bi 2-S12-AN7X/S100		T1773100	<i>High Temp. 100°C</i>	•	2		
Ni 4-S12-AN6X		T4653300			4		
Ni 4-S12-AN7X		T1713900	<i>TTL Compatible</i>		4		
Ni 4-S12-AN7X/S100		T1773000	<i>High Temp. 100°C</i>		4		
Bi 2-S12-AP6X		T4653000		•	2	3-Wire DC PNP	
Bi 2-S12-AP6X/S97		M1664500	<i>Low Temp. -40°C</i>	•	2		
Bi 2-S12-AP7X/S100		T1755500	<i>High Temp. 100°C</i>	•	2		
Ni 4-S12-AP6X		T4653200			4		
Ni 4-S12-AP6X/S97		M4653221	<i>Low Temp. -40°C</i>		4		
Ni 4-S12-AP7X/S100		T1768100	<i>High Temp. 100°C</i>		4		
Ni 8-S12-AP6X		T4611381	<i>Extended Range</i>		8		
Bi 2-S12-AZ31X		T1302000		•	2	2-Wire AC/DC	
Bi 2-S12-AZ31X/S97		M1302002	<i>Low Temp. -40°C</i>	•	2		
Bi 2-S12-AZ31X/S100		M1302001	<i>High Temp. 100°C</i>	•	2		
Ni 4-S12-AZ31X		T1302200			4		
Ni 4-S12-AZ31X/S97		M1302202	<i>Low Temp. -40°C</i>		4		
Ni 4-S12-AZ31X/S100	M1302201	<i>High Temp. 100°C</i>		4			
Bi 2-S12-ADZ32X	T4453091		•	2	2-Wire AC/DC Short-Circuit Protected		
Ni 4-S12-ADZ32X	T4453292			4			

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	End Cap	Power LED	Output LED	Cable Length/ Cable Mat.	Wiring Diagram #	Wiring Diagrams
10-30 VDC	3000	≤200	-30 to +85	IP 68	PBT	PBT	EPTR	N/A	YE	2M/PVC	2	<b>Diagram 1</b> 
	2000	≤200	-30 to +85	IP 68	PBT	PBT	EPTR	N/A	YE	2M/PVC	2	
10-30 VDC	3000	≤200	-30 to +85	IP 68	PBT	PBT	EPTR	N/A	YE	2M/PVC	3	<b>Diagram 2</b> 
	2000	≤200	-30 to +85	IP 68	PBT	PBT	EPTR	N/A	YE	2M/PVC	3	
10-65 VDC	1000	≤100	-25 to +70	IP 67	PA 12	PA 12	EPTR	N/A	YE	2M/PVC	1	<b>Diagram 3</b> 
	1000	≤100	-25 to +70	IP 67	PA 12	PA 12	EPTR	N/A	YE	2M/PVC	1	
10-30 VDC	2000	≤200	-25 to +70	IP 67	PA 12	PA 12	EPTR	N/A	YE	2M/PVC	2	<b>Diagram 4</b> 
	2000	≤200	-25 to +70	IP 67	PA 12	PA 12	EPTR	N/A	YE	2M/PVC	2	
	2000	≤200	-25 to +100	IP 67	PA 12	PA 12	EPTR	N/A	YE	2M/PVC	2	
	2000	≤200	-25 to +70	IP 67	PA 12	PA 12	EPTR	N/A	YE	2M/PVC	2	
	1500	≤200	-25 to +70	IP 67	PA 12	PA 12	EPTR	N/A	YE	2M/PVC	2	
	1500	≤200	-25 to +100	IP 67	PA 12	PA 12	EPTR	N/A	YE	2M/PVC	2	
10-30 VDC	2000	≤200	-25 to +70	IP 67	PA 12	PA 12	EPTR	N/A	YE	2M/PVC	3	
	2000	≤200	-40 to +70	IP 67	PA 12	PA 12	EPTR	N/A	YE	2M/Silicon	3	
	2000	≤200	-25 to +100	IP 67	PA 12	PA 12	EPTR	N/A	YE	2M/PVC	3	
	2000	≤200	-25 to +70	IP 67	PA 12	PA 12	EPTR	N/A	YE	2M/PVC	3	
	2000	≤200	-40 to +70	IP 67	PA 12	PA 12	EPTR	N/A	YE	2M/Silicon	3	
	1500	≤200	-25 to +100	IP 67	PA 12	PA 12	EPTR	N/A	YE	2M/PVC	3	
	2000	≤200	-25 to +70	IP 67	PA 12	PA 12	EPTR	N/A	YE	2M/PVC	3	
20-250 VAC 10-300 VDC	20	≤100	-25 to +70	IP 67	PA 12	PA 12	EPTR	N/A	YE	2M/PVC	4	
	20	≤100	-40 to +70	IP 67	PA 12	PA 12	EPTR	N/A	YE	2M/Silicon	4	
	20	≤100	-25 to +100	IP 67	PA 12	PA 12	EPTR	N/A	YE	2M/PVC	4	
	20	≤100	-25 to +70	IP 67	PA 12	PA 12	EPTR	N/A	YE	2M/PVC	4	
	20	≤100	-40 to +70	IP 67	PA 12	PA 12	EPTR	N/A	YE	2M/Silicon	4	
	20	≤100	-25 to +100	IP 67	PA 12	PA 12	EPTR	N/A	YE	2M/PVC	4	
20-250 VAC 10-300 VDC	20	≤100	-25 to +70	IP 67	PA 12	PA 12	EPTR	N/A	YE	2M/PVC	4	
	20	≤100	-25 to +70	IP 67	PA 12	PA 12	EPTR	N/A	YE	2M/PVC	4	

Barrels

For material descriptions see page M22.