

# Inductive Sensors



Housing Style	Part Number	ID Number	Features	Embeddable	Sensing Range (mm)	Output	
<b>18 mm - Embeddable and Nonembeddable, Partial Threading, Potted-In Cable</b>  	Bi 5-S18-AD4X	T4456000		•	5	2-Wire DC	
	Ni 8-S18-AD4X	T4456200			8		
	Bi 5-S18-AN6X	T4656100		•	5	3-Wire DC NPN	
	Bi 5-S18-AN7X	T1714000		•	5		
	Bi 5-S18-AN7X/S100	T1773400	High Temp. 100°C	•	5		
	Bi 5U-S18-AN6X	M1635520	Uprox	•	5		
	Ni 8-S18-AN6X	T4656300			8		
	Ni 8-S18-AN7X	T1714100			8		
	Ni 8-S18-AN7X/S100	T1773250	High Temp. 100°C		8		
	Ni 12U-S18-AN6X	M1645520	Uprox		12		
	Bi 5-S18-AP6X	T4656000		•	5	3-Wire DC PNP	
	Bi 5-S18-AP7X/S100	T1754200	High Temp. 100°C	•	5		
	Bi 5U-S18-AP6X	M1635500	Uprox	•	5		
	Ni 8-S18-AP6X	T4656200			8		
	Ni 8-S18-AP7X/S100	T1749850	High Temp. 100°C		8		
	Ni 12U-S18-AP6X	M1645500	Uprox		12		
	Bi 5-S18-VN4X	T1522200		Comp. Output	•	5	4-Wire DC NPN
	Ni 8-S18-VN4X	T1522100		Comp. Output		8	
	Bi 5-S18-VP4X	T1513400			•	5	4-Wire DC PNP
	Bi 5-S18-VP4X/S100	M1513402	High Temp. 100°C		•	5	
	Ni 8-S18-VP4X	T1513500				8	
	Bi 5-S18-AZ3X	T4350400			•	5	2-Wire AC/DC
	Bi 5-S18-AZ3X/S100	M1373400	High Temp. 100°C		•	5	
	Ni 8-S18-AZ3X	T4350500				8	
	Ni 8-S18-AZ3X/S100	M1371800	High Temp. 100°C			8	

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

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Output	Switching Freq. (Hz)	Operating Current (mA) VAC/VDC	Operating Temp. (°C)	Protection	Housing	Face	End Cap	Power LED	Output LED	Cable Length/ Cable Mat.	Wiring Diagram #	Wiring Diagrams
10-65 VDC	1000	≤100	-25 to +70	IP 67	PA 12	PA 12	EPTR	N/A	YE	2M/PVC	1	<b>Diagram 1</b> 
	500	≤100	-25 to +70	IP 67	PA 12	PA 12	EPTR	N/A	YE	2M/PVC	1	
10-30 VDC	1000	≤200	-25 to +70	IP 67	PA 12	PA 12	EPTR	N/A	YE	2M/PVC	2	<b>Diagram 2</b> 
	1000	≤150	-25 to +70	IP 67	PA 12	PA 12	EPTR	N/A	YE	2M/PVC	2	
	1000	≤150	-25 to +100	IP 67	PA 12	IRPA	EPTR	N/A	YE	2M/PVC	2	
	2500	≤200	-30 to +85	IP 68	PA 12	PA 12	EPTR	N/A	YE	2M/PVC	2	
	1000	≤200	-25 to +70	IP 67	PA 12	PA 12	EPTR	N/A	YE	2M/PVC	2	
	1000	≤150	-25 to +70	IP 67	PA 12	PA 12	EPTR	N/A	YE	2M/PVC	2	
	1000	≤150	-25 to +100	IP 67	PA 12	IRPA	EPTR	N/A	YE	2M/PVC	2	
10-30 VDC	1000	≤200	-25 to +70	IP 67	PA 12	PA 12	EPTR	N/A	YE	2M/PVC	3	<b>Diagram 3</b> 
	1000	≤150	-25 to +100	IP 67	PA 12	IRPA	EPTR	N/A	YE	2M/PVC	3	
	2500	≤200	-30 to +85	IP 68	PA 12	PA 12	EPTR	N/A	YE	2M/PVC	3	
	1000	≤200	-25 to +70	IP 67	PA 12	PA 12	EPTR	N/A	YE	2M/PVC	3	
	1000	≤150	-25 to +100	IP 67	PA 12	IRPA	EPTR	N/A	YE	2M/PVC	3	
10-65 VDC	500	≤200	-25 to +70	IP 67	PA 12	PA 12	EPTR	N/A	YE	2M/PVC	4	<b>Diagram 4</b> 
	500	≤200	-25 to +70	IP 67	PA 12	PA 12	EPTR	N/A	YE	2M/PVC	4	
10-65 VDC	500	≤200	-25 to +70	IP 67	PA 12	PA 12	EPTR	N/A	YE	2M/PVC	5	<b>Diagram 5</b> 
	500	≤200	-25 to +100	IP 67	PA 12	IRPA	EPTR	N/A	YE	2M/PVC	5	
	500	≤200	-25 to +70	IP 67	PA 12	PA 12	EPTR	N/A	YE	2M/PVC	5	
20-250 VAC 10-300 VDC	20	≤400/300	-25 to +70	IP 67	PA 12	PA 12	EPTR	N/A	RD	2M/PVC	6	<b>Diagram 6</b> 
	20	≤400/300	-25 to +100	IP 67	PA 12	IRPA	EPTR	N/A	YE	2M/PVC	6	
	20	≤400/300	-25 to +70	IP 67	PA 12	PA 12	EPTR	N/A	RD	2M/PVC	6	
	20	≤400/300	-25 to +100	IP 67	PA 12	IRPA	EPTR	N/A	YE	2M/PVC	6	

Barrels

For material descriptions see page M36.