PROXIMITY INDUCTIVE SENSORS

IS series Proximity inductive sensors

- M4 to M30 tubular housing
- AISI 316L stainless steel versions
- 1 20 mm detection distance
- 10-30 Vdc, 2, 3 or 4 wire NPN/PNP versions
- 24-230 Vac, 2 wire versions



NEW MODELS

The inductive sensors represent a complementary solution to photoelectric sensors in applications based on critical light reflection and transmission. Voltage to the device creates an alternate inductive field through an oscillator coil before its active surface. If a metal object (iron, aluminium, copper, brass, etc) enters this field, it damps the oscillator and reverses the trigger threshold and causes a change in the output stage status. Inductive sensors can be used, for example, for noncontact detection of exclusively metal targets.



DATALOGIC AUTOMATION

Proximity inductive sensors





	SERIES		M4/M5	M8
	Operating distance	⊳ i	0.8 mm	2 mm, shielded models 3 mm, unshielded models
	Repeatibility		≤ 1%	≤ 3%
	Hysteresis		< 10%	< 10%
	Ripple		≥ 10%	≥ 10%
	Switching frequency		2000 Hz	1000 Hz
	Indicators		Yellow LED	Yellow LED
TECHNICAL DATA	Power supply	Vdc Vac Vac/dc	10 30, 3 wires 🕨	10 30, 3 wires
	Output	2 wires NO/NC 3 wires NPN/PNP NO/NC 4 wires NPN/PNP NO+NC 4 wires programmable	•	•
	Connections	other cable M8 connector M12 connector	:	:
	Housing	III I SOMIOOIOI	standard	standard short
	Housing material		AISI-316L stainless steel	NI plated brass
	Mechanical protection		IP67	IP67

PROXIMITY INDUCTIVE SENSORS

Proximity inductive sensors





Power supply Power supply Vdc Vac Vac Vac Vac Vac Vac Vac Vac Vac Va		SERIES		M8 2X	M12
Hysteresis		Operating distance	₽		
Ripple Switching frequency Indicators Yellow LED 10 30. 2 wires € Output 2 wires NOINC 3 wires NOINC 4 wires NPNPNP NONC 4 wires NPNPNP NONC 4 wires programmable other Connections Cable M8 connector Housing Housing NI plated brass AISI-316L stainless steel		Repeatibility		≤ 3%	≤ 3%
Switching frequency Fower supply Vac Vac Vaci Vaci Vaci Vaci Vaci Vaci		Hysteresis		< 10%	< 10%
Indicators Yellow LED Yellow		Ripple		≥ 10%	≥ 10%
Power supply Vac Vac Vac/dc Output 2 wires NOINC 4 wires NPNIPN NOINC 4 wires NPNIPN PONHC 4 wires regrammable other Connections able M8 connector M12 connector Flousing Standard Short Sh		Switching frequency		500 Hz	1000 Hz
Vac Vac/dc Output 2 wires NO/NC		Indicators		Yellow LED	Yellow LED
Vac Vac/dc Output 2 wires NO/NC					
Vac Vac/dc Output 2 wires NO/NC					
Vac Vac/dc Output 2 wires NO/NC					
Vac Vac/dc Output 2 wires NO/NC					
Vac Vac/dc Output 2 wires NO/NC					
M8 connector M12 connector Housing standard short Housing material NI plated brass AISI-316L stainless steel	ATA	Power supply	Vac	10 30, 2 wires	10 30, 2, 3 and 4 wires
M8 connector M12 connector Housing standard short Housing material NI plated brass AISI-316L stainless steel	NICAL D	Output	3 wires NPN/PNP NO/NC 4 wires NPN/PNP NO+NC	•	:
Housing standard standard short short Housing material NI plated brass AISI-316L stainless steel	TECH	Connections	other cable M8 connector	÷	:
AISI-316L stainless steel		Housing	m12 outilioud	standard	standard
Mechanical protection IP67 IP67					AISI-316L stainless steel
		Mechanical protection		IP67	IP67



DATALOGIC AUTOMATION







M12 2X	M18	M18 2X
4 mm, shielded models 8 mm, unshielded models	5 mm, shielded models 8 mm, unshielded models	8 mm, shielded models 14 mm, unshielded models
≤ 3%	≤ 3%	≤ 3%
< 10%	< 10%	< 10%
≥ 10%	≥ 10%	≥ 10%
500 Hz	1000 Hz	400 Hz
Yellow LED	Yellow LED	Yellow LED
10 30, 2, 3 and 4 wires (L)	10 30, 2, 3 and 4 wires (L)	10 30, 2, 3 and 4 wires
•	•	•
•	•	•
•	•	
•	•	•
•	•	•
•	•	etandard
standard short	standard short	standard short
NI plated brass AISI-316L stainless steel	NI plated brass AISI-316L stainless steel	NI plated brass AISI-316L stainless steel
IP67	IP67	IP67

PROXIMITY INDUCTIVE SENSORS

Proximity inductive sensors





	SERIES		M30	M30 2X	
	Operating distance	Þ	10 mm, shielded models 15 mm, unshielded models	15 mm, shielded models 20 mm, unshielded models	
	Repeatibility		≤ 3%	≤ 3%	
	Hysteresis		< 10%	< 10%	
	Ripple		≥ 10%	≥ 10%	
	Switching frequency		300 Hz	200 Hz	
	Indicators		Yellow LED	Yellow LED	
TECHNICAL DATA	Power supply	Vdc Vac Vac/dc	10 30, 2.3 and 4 wires	10 30, 2,3 and 4 wires	
	Output	2 wires NO/NC	•		
Ĭ,		3 wires NPN/PNP NO/NC	•	•	
\supseteq		4 wires NPN/PNP NO+NC	•	•	
三		4 wires programmable other	•	•	
Щ	Connections	cable	•		
-		M8 connector	•	•	
		M12 connector	•	•	
	Housing		standard	standard	
			short	short	
	Housing material		NI plated brass	NI plated brass	
	Mechanical protection		IP67	IP67	