

Benefits:

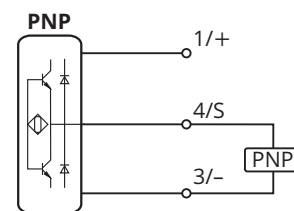
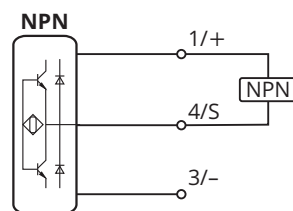
- ▶ Precise metal classification
- ▶ Sturdy Metal-Face housing
- ▶ For waste or metal sorting

Vorteile:

- ▶ Präzise Metallbestimmung
- ▶ Robustes Vollmetallgehäuse
- ▶ Für Müll- oder Metallsortierung

Data sheets are available on
<http://xecro.com>.

Datenblätter sind auf
<http://xecro.com> verfügbar.



All devices of this section may not be used if the safety of persons rely on their faultless function!

Alle Geräte dieses Abschnittes dürfen nicht verwendet werden, wenn die Sicherheit von Personen von deren fehlerlosen Funktion abhängt!



Inductive Sensors 3-Wire DC Ferrous | Non-Ferrous Detection

The sensors of the Ferrous | Non-Ferrous Series from XECRO are derived of our sturdy Metal-Face Housing Series specialized to work with ferrous or non-ferrous metals in order to classify precisely metals.

Die Sensoren der Eisenmetall- | Nichteisenmetall-Baureihe von XECRO gehen aus der Vollmetallgehäuse-Baureihe hervor und sind spezialisiert auf Eisenmetalle oder Nichteisenmetalle, um Metalle präzise zu klassifizieren.

Inductive Proximity Switch
**3-Wire DC Ferrous |
Non-Ferrous Detection**

Induktive Näherungsschalter
**3-Leiter DC Eisenmetall- |
Nichteisenmetall-Erkennung**

flush
bündig
M12x1 | 2 mm



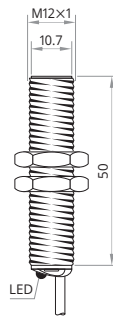
flush
bündig
M12x1 | 2 mm



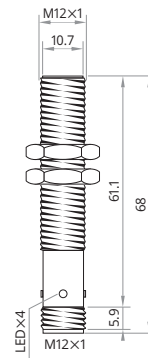
non-flush
nicht bündig
M12x1 | 4 mm



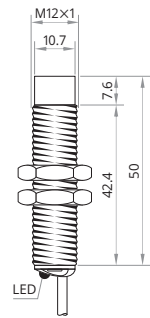
standard
Standard



standard
Standard



standard
Standard



Sensing distance S_n	Schaltabstand S_n	2 mm		2 mm		4 mm	
Operating voltage	Betriebsspannung	10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}	
Reverse polarity protection	Verpolungsschutz	built-in	integriert	built-in	integriert	built-in	integriert
Current consumption	Stromverbrauch	<8 mA		<8 mA		<8 mA	
Current load capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Short circuit protection	Kurzschlusschutz	built-in	integriert	built-in	integriert	built-in	integriert
Voltage drop	Spannungsabfall	<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA	
Switching frequency	Schaltfrequenz	2000 Hz		2000 Hz		2000 Hz	
Reduction factors	Reduktionsfaktoren	Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85	
Operating temperature	Betriebstemperatur	-25...+75 °C		-25...+75 °C		-25...+75 °C	
Protection class	Schutzklasse	IP69k, IP67 connector		IP69k, IP67 connector		IP69k, IP67 connector	
Sensing face material	Sensorflächenwerkstoff	SS304	V2A	SS304	V2A	SS304	V2A
Housing material	Gehäusewerkstoff	SS304	V2A	SS304	V2A	SS304	V2A
Switching indicator	Schaltanzeige	built-in	integriert	built-in	integriert	built-in	integriert
Connection	Anschluss	PVC, ultra-flex		conn. M12	Stecker M12	PVC, ultra-flex	
Article code Fe PNP, NO	Ferrous \swarrow	IFE12-S2PO50-A2P		IFE12-S2PO68-A12		IFE12-N4PO50-A2P	
Article code Fe PNP, NC	Ferrous \swarrow	IFE12-S2PC50-A2P		IFE12-S2PC68-A12		IFE12-N4PC50-A2P	
Article code Fe NPN, NO	Ferrous \swarrow	IFE12-S2NO50-A2P		IFE12-S2NO68-A12		IFE12-N4NO50-A2P	
Article code Fe NPN, NC	Ferrous \swarrow	IFE12-S2NC50-A2P		IFE12-S2NC68-A12		IFE12-N4NC50-A2P	
Article code NFe PNP, NO	Non-ferrous \swarrow	INF12-S2PO50-A2P		INF12-S2PO68-A12		INF12-N4PO50-A2P	
Article code NFe PNP, NC	Non-ferrous \swarrow	INF12-S2PC50-A2P		INF12-S2PC68-A12		INF12-N4PC50-A2P	
Article code NFe NPN, NO	Non-ferrous \swarrow	INF12-S2NO50-A2P		INF12-S2NO68-A12		INF12-N4NO50-A2P	
Article code NFe NPN, NC	Non-ferrous \swarrow	INF12-S2NC50-A2P		INF12-S2NC68-A12		INF12-N4NC50-A2P	

Mind O=0, I=I≠1, S=5, B=8.

O=0, I=I≠1, S=5, B=8 beachten.

non-flush
nicht bündig
M12x1 | 4 mm



flush
bündig
M18x1 | 5 mm



flush
bündig
M18x1 | 5 mm



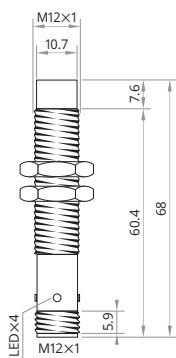
non-flush
nicht bündig
M18x1 | 8 mm



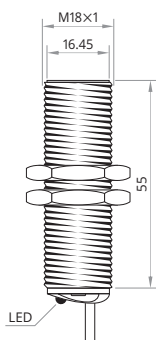
non-flush
nicht bündig
M18x1 | 8 mm



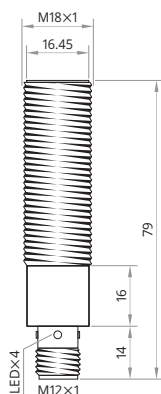
standard
Standard



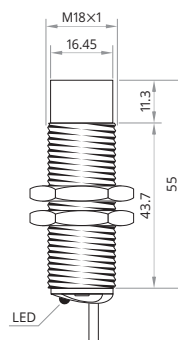
standard
Standard



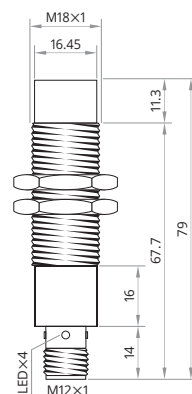
standard
Standard



standard
Standard



standard
Standard



4 mm	5 mm	5 mm	8 mm	8 mm
10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}
built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert
<8 mA	<8 mA	<8 mA	<8 mA	<8 mA
200 mA	200 mA	200 mA	200 mA	200 mA
built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert
<1.5 V @ 200 mA	<1.5 V @ 200 mA	<1.5 V @ 200 mA	<1.5 V @ 200 mA	<1.5 V @ 200 mA
2000 Hz	1000 Hz	1000 Hz	500 Hz	500 Hz
Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85
-25...+75 °C	-25...+75 °C	-25...+75 °C	-25...+75 °C	-25...+75 °C
IP69k, IP67 connector	IP69k, IP67 connector	IP69k, IP67 connector	IP69k, IP67 connector	IP69k, IP67 connector
SS304 V2A	SS304 V2A	SS304 V2A	SS304 V2A	SS304 V2A
SS304 V2A	SS304 V2A	SS304 V2A	SS304 V2A	SS304 V2A
built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert
conn. M12 Stecker M12	PVC, ultra-flex	conn. M12 Stecker M12	PVC, ultra-flex	conn. M12 Stecker M12
IFE12-N4PO68-A12	IFE18-S5PO55-A2P	IFE18-S5PO79-A12	IFE18-N8PO55-A2P	IFE18-N8PO79-A12
IFE12-N4PC68-A12	IFE18-S5PC55-A2P	IFE18-S5PC79-A12	IFE18-N8PC55-A2P	IFE18-N8PC79-A12
IFE12-N4NO68-A12	IFE18-S5NO55-A2P	IFE18-S5NO79-A12	IFE18-N8NO55-A2P	IFE18-N8NO79-A12
IFE12-N4NC68-A12	IFE18-S5NC55-A2P	IFE18-S5NC79-A12	IFE18-N8NC55-A2P	IFE18-N8NC79-A12
INF12-N4PO68-A12	INF18-S5PO55-A2P	INF18-S5PO79-A12	INF18-N8PO55-A2P	INF18-N8PO79-A12
INF12-N4PC68-A12	INF18-S5PC55-A2P	INF18-S5PC79-A12	INF18-N8PC55-A2P	INF18-N8PC79-A12
INF12-N4NO68-A12	INF18-S5NO55-A2P	INF18-S5NO79-A12	INF18-N8NO55-A2P	INF18-N8NO79-A12
INF12-N4NC68-A12	INF18-S5NC55-A2P	INF18-S5NC79-A12	INF18-N8NC55-A2P	INF18-N8NC79-A12

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XECRO behält sich das Recht auf geringe Änderungen ohne Ankündigung vor.