

# XECRO®

inductive • capacitive • optoelectronics • touch 'n indicators

## SENSOR CATALOG



DETAILED SELECTION

# 5000+

products in this catalog

### NEW

Semi-Shielded performance-line now with ultra short housings M8

Performance-line expanded by M18 semi-shielded, Sn=15 mm

Inductive Sensors with Reduction-Factor-1

Weld-immune, metal face inductive sensors

High pressure series expanded with sensors which resist 1000 bar / 14503 psi

Inductive sensors with built-in amplifier for temperatures up to 180 °C / 356 °F permanent

Capacitive sensors with built-in amplifier for temperatures up to 150 °C / 302 °F permanent

### NEU

Quasi-bündige Performance-Linie jetzt in ultra kurzen Bauformen M8

Performance-Linie erweitert durch M18 mit quasi-bündigem Einbau, Sn=15 mm

Induktive Sensoren mit Reduktionsfaktor 1

Schweißfeste induktive Sensoren im Vollmetallgehäuse

Hochdruckfeste Serie durch Sensoren für den Gebrauch bei 1000 bar erweitert

Induktive Sensoren mit eingebautem Verstärker für den permanenten Einsatz bei Temperaturen von bis zu 180 °C

Kapazitive Sensoren mit eingebautem Verstärker für den permanenten Einsatz bei Temperaturen von bis zu 150 °C

INDUCTIVE

INDUKTIV

CAPACITIVE

KAPAZITIV



# „Better by design!“

## At a Glance

Talent for innovation and customers orientation are the key factors of our success.

## Think for Technology

XECRO is an independent company with more than 20 years of experience in the sensor industry. During the years XECRO expanded its production line to one of the completest range in the automation industry; focusing on the highest performance available.

Due to XECROs innovations and high standard technology, XECRO is able to produce the thinnest and shortest sensors, quad sensing distances, high pressure, high temperature resistant and ultra metal face proximity switches. XECRO develops, produces and sells industrial sensors and general industrial electronics worldwide.

## Überblick

Fokussierung auf Innovation und Kundenorientierung sind der Schlüssel unseres Erfolges.

## Think for Technology

XECRO ist ein unabhängiges Unternehmen mit mehr als 20 Jahren Erfahrung in der Sensorindustrie. Mit den Jahren hat XECRO seine Produktlinie dahingehend erweitert, dass sie heute zu einer der vollständigsten und leistungsfähigsten in der Automatisierungstechnik zählt. Aufgrund XECROs Innovation und Hochtechnologie, ist XECRO in der Lage, die dünnsten und kürzesten Sensoren, Sensoren mit vierfachem Normschaltabstand, hochdruck- und hochtemperaturbeständige Sensoren, sowie Sensoren mit außergewöhnlich widerstandsfähigen Vollmetallgehäusen zu produzieren. XECRO entwickelt, produziert und vertreibt Industriesensoren und allgemeine Industrieelektronik weltweit.

## Global Organisation

XECRO is one of the leading companies in inductive and capacitive technology and serves customers in Europe, North and Latin America, Asia, Africa and Middle East. The organization is regulated in accordance with the strict directives of ISO 9001:2008.

XECROs headquarter, located near Hanover Germany, represents the focal point. Financial and Sales dept., R & D, Customer Assistance and Shipping dept. are located in a modern 2000 square meter facilities. Customers benefit from our synergic organization: the production is made by XECRO in Germany and in collaboration with selected strategic production facilities inside the EU.

## Globale Organisation

XECRO ist einer der führenden Anbieter induktiver und kapazitiver Technologie und beliefert Kunden in Europa, Nord- und Lateinamerika, Asien, Afrika und dem Nahen Osten. Die Organisation arbeitet in Übereinstimmung mit den strengen Vorgaben der ISO 9001:2008.

XECROs Hauptsitz, nahe Hannover, repräsentiert das Zentrum unseres Handelns. Finanzen und Vertrieb, Forschung und Entwicklung, Kundenservice und Versand befinden sich in einem modernen Gebäude mit 2000 m<sup>2</sup>. Kunden profitieren von unserer synergetischen Organisation. Produziert wird von XECRO in Deutschland und in enger Zusammenarbeit mit strategisch ausgewählten Produktionsstätten innerhalb der EU.

## Dynamic R & D

R & D resources are the heart of the company. Thanks to expertise, gained during the years, in implementing individual solutions, we are able to adapt our products to almost any customer need.

If special housings are required, we design them in 3D. XECRO has rapid prototyping for any shape and can provide IGES or STEP files in advance to check that the later integration is possible.

All XECRO products are built with the highest accuracy and are fully tested after production. The CE print on the products confirms with EU and EN standards and directives.

## Engagiertes R & D

Forschung und Entwicklung bilden den Schwerpunkt des Unternehmens. Aufgrund der über die Jahre gewachsenen Erfahrungen, bei der Implementierung individueller Lösungen, sind wir in der Lage, unsere Produkte auf nahezu alle Anforderungen unserer Kunden anzupassen.

Sollten spezielle Gehäuse erforderlich sein, entwerfen wir diese in 3D. XECRO verfügt über Rapid Prototyping für jede Form und kann bereits im Vorfeld IGES oder STEP Dateien zur Verfügung stellen; so kann sichergestellt werden, dass eine spätere Integration möglich ist.

Alle Produkte von XECRO werden mit der höchst möglichen Präzision hergestellt und anschließend vollständig getestet. Die Übereinstimmung der Produkte mit EU und EN Standards dokumentiert das CE Zeichen, das alle Produkte tragen..



# XECRO

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**Inductive Proximity Switches**  
**Induktive Näherungsschalter**

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<b>Inductive proximity switches 10...30 VDC</b> Ø3m... 40x40, max. Sn = 50 mm	<b>Induktive Näherungsschalter 10...30 VDC</b> Ø3m... 40x40, max. Sn = 50 mm	23-92
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<b>Inductive proximity switches with analog output</b> M8 ... M30, max. Sn = 40 mm, 0-10V / 4-20 mA	<b>Induktive Näherungsschalter mit Analogausgang</b> M8 ... M30, max. Sn = 40 mm, 0-10V / 4-20 mA	150-153
<b>Inductive proximity switches, pressure resistant</b> M5 ... M18, max. Sn = 5 mm, max. 1000 bar permanent	<b>Induktive Näherungsschalter, druckfest</b> M5 ... M18, max. Sn = 5 mm, max. 1000 bar permanent	117-121
<b>Inductive proximity switches, temperature resistant</b> M8 ... M30, max. Sn = 15 mm, max. 300 °F permanent	<b>Induktive Näherungsschalter, Hochtemperatur beständig</b> M8 ... M30, max. Sn = 15 mm, max. 180 °C permanent	124-135
<b>Inductive proximity switches, FE / nFE metal selective</b> M12 ... M30, max. Sn = 10 mm, dual output	<b>Induktive Näherungsschalter, FE / nFE Metalle selektiv</b> M12 ... M10, max. Sn = 8 mm, Dual-Ausgang	144-147
<b>Inductive ring sensors</b> Ring diameters ranging from Ø6mm to Ø21 mm	<b>Induktive Ring-Sensoren</b> Ring-Durchmesser von Ø6 mm bis Ø21 mm	92-93

**Capacitive Proximity Switches**  
**Kapazitive Näherungsschalter**

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<b>Capacitive proximity switches 10...30 VDC</b> Ø6.5... 40x40, max. Sn = 30 mm	<b>Kapazitive Näherungsschalter 10...30 VDC</b> Ø6.5... 40x40, max. Sn = 30 mm	156-171
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<b>Capacitive proximity switches, temperature resistant</b> M8 ... M30, max. Sn = 30 mm, max. 150 °C permanent	<b>Kapazitive Näherungsschalter, hochtemperatur beständig</b> M8 ... M30, max. Sn = 30 mm, max. 150 °C permanent	182-187
<b>Capacitive ring sensors</b> Ring diameter ranging from Ø6 mm to Ø21 mm	<b>Kapazitive Ring-Sensoren</b> Ring-Durchmesser von Ø6 mm bis Ø21 mm	172-173

# Inductive Proximity Switches | Induktive Näherungsschalter

■ NPN / NPN 10...30 VDC | NPN / NPN 10...30 VDC

Dimension Abmessungen	Sensing Distance Schaltabstand	Mounting Montage	Connection   Anschluss			Page Seite
			M8	M12	Cable   Kabel	
Ø3 mm	0.6 mm □	◆	●		●	22
	1.0 mm □	◆	●		●	22,23
M4x0.5	0.6 mm □	◆	●		●	23
	1.0 mm □	◆	●		●	23
Ø4 mm	0.8 mm □	◆	●		●	24
	1.5 mm □	◆	●		●	24,25
M5x0.5	0.8 mm □	◆	●		●	25
	1.5 mm □	◆	●		●	25,26
5x5 mm	0.8 mm □	◆	●		●	26,27
	1.5 mm □	◆	●		●	27
Ø6.5 mm	1.0 mm □	◆	●	●	●	30,31
	2.0 mm □	◆	●	●	●	33,34,35
	2.0 mm □	◇	●	●	●	31,32
	3.0 mm □	◇	●	●	●	35, 36, 37
	4.0 mm □	◇	●	●	●	37, 38, 39
M8x1	6.0 mm □	◆	●	●	●	39, 40
	1.0 mm □	◆	●	●	●	40, 41
	2.0 mm □	◆	●	●	●	43, 44, 45, 46
	2.0 mm □	◇	●	●	●	41, 42
	3.0 mm □	◇	●	●	●	46, 47, 48
	4.0 mm □	◇	●	●	●	51, 52, 53
8x8 mm	4.0 mm □	◇	●	●	●	48, 49, 50, 51
	6.0 mm □	◇	●	●	●	54, 55
	2.0 mm □	◆	●		●	56, 57
	3.0 mm □	◆	●		●	57, 58
M12x1	2.0 mm □	◆		●	●	58, 59
	4.0 mm □	◆		●	●	61, 62, 63
	4.0 mm □	◇		●	●	60, 61
	6.0 mm □	◇		●	●	65, 66
	6.0 mm □	◇		●	●	63, 64
	8.0 mm □	◇		●	●	67, 68, 69
	8.0 mm □	◇		●	●	66, 67
M18x1.5	10.0 mm □	◇		●	●	69, 70, 71
	5.0 mm □	◆		●	●	71, 72
	8.0 mm □	◆		●	●	72, 73, 74
	8.0 mm □	◇		●	●	74, 75
	12.0 mm □	◇		●	●	75, 76
	15.0 mm □	◇		●	●	76, 77
M30x1.5	16.0 mm □	◇		●	●	77, 78
	20.0 mm □	◇		●	●	78, 79
	10.0 mm □	◆		●	●	79, 80
	15.0 mm □	◆		●	●	80, 81
	16.0 mm □	◆		●	●	81, 82
	22.0 mm □	◆		●	●	82, 83
16x28 mm	25.0 mm □	◇		●	●	83, 84
	40.0 mm □	◇		●	●	84, 85
	50.0 mm □	◇		●	●	85, 86
40x40 mm	1.0 mm □	◆	●		●	86, 87
	2.0 mm □	◆	●		●	87
	2.0 mm □	◇	●		●	87
	3.0 mm □	◆	●		●	88
	4.0 mm □	◇	●		●	88, 89
	6.0 mm □	◇	●		●	89
40x40 mm	15.0 mm □	◆	Terminal   Anschlussklemme			89
	20.0 mm □	◆	Terminal   Anschlussklemme			89
	25.0 mm □	◇	Terminal   Anschlussklemme			90
	30.0 mm □	◇	Terminal   Anschlussklemme			90
	40.0 mm □	◇	Terminal   Anschlussklemme			90

◆ Flush mounted into metal  
◆ Bündiger Einbau in Metall

◇ Semi-flush mounted into metal  
◇ Quasi-bündiger Einbau in Metall

◇ Non-flush mounted into metal  
◇ Nicht bündiger Einbau in Metall

- NPN / NPN 10...30 VDC | NPN / NPN 10...30 VDC

Dimension Abmessungen	Resolution Auflösung	Connection   Anschluss		Cable   Kabel	Page Seite
		M12-axial   M12-axial	M12-radial   M12-radial		
Ø6 mm	1.0 mm	●		Optional	92
	1.0 mm		●	Optional	92
Ø10 mm	1.5 mm	●		Optional	92
	1.5 mm		●	Optional	93
Ø15 mm	2.0 mm	●		Optional	93
	2.0 mm		●	Optional	93
Ø21 mm	2.8 mm	●		Optional	93
	2.8 mm		●	Optional	93

Inductive Proximity Switches | Induktive Näherungsschalter

- 2-wire 10...55 VDC | 2-adrig 10...55 VDC

Dimension Abmessungen	Sensing Distance Schaltabstand	Mounting Montage	Connection   Anschluss			Page Seite
			M8	M12	Cable   Kabel	
M8x1	1.0 mm □	◆	●		●	96
	2.0 mm □	◇	●		●	97
M12x1	2.0 mm □	◆		●	●	97
	4.0 mm □	◆		●	●	98, 99
	4.0 mm □	◇		●	●	98
M18x1.5	8.0 mm □	◇		●	●	99
	5.0 mm □	◆		●	●	99
	8.0 mm □	◆		●	●	99, 100
	8.0 mm □	◇		●	●	100, 101
M30x1.5	16.0 mm □	◇		●	●	101
	10.0 mm □	◆		●	●	101
	15.0 mm □	◇		●	●	101, 102
	16.0 mm □	◆		●	●	102
40x40 mm	25.0 mm □	◇		●	●	103
	15.0 mm □	◆	Terminal   Anschlussklemme			103
	20.0 mm □	◆	Terminal   Anschlussklemme			103
	30.0 mm □	◇	Terminal   Anschlussklemme			103

Inductive Proximity Switches | Induktive Näherungsschalter

- 2-wire 20...255 VAC | 2-adrig 20...255 VAC

Dimension Abmessungen	Sensing Distance Schaltabstand	Mounting Montage	Connection   Anschluss			Page Seite
			M8	M12	Cable   Kabel	
M12x1	2.0 mm □	◆		●	●	103
	4.0 mm □	◆		●	●	103, 105
	4.0 mm □	◇		●	●	105
M18x1.5	8.0 mm □	◇		●	●	105
	5.0 mm □	◆		●	●	106
	8.0 mm □	◆		●	●	106, 107
	8.0 mm □	◇		●	●	107
M30x1.5	16.0 mm □	◇		●	●	107
	10.0 mm □	◆		●	●	108
	15.0 mm □	◇		●	●	108, 109
	16.0 mm □	◆		●	●	109
40x40 mm	25.0 mm □	◇		●	●	109
	15.0 mm □	◆	Terminal   Anschlussklemme			110
	20.0 mm □	◆	Terminal   Anschlussklemme			110
	30.0 mm □	◇	Terminal   Anschlussklemme			110

## Induktive Näherungsschalter | Inductive Proximity Switches

### ■ NAMUR | NAMUR

Dimension Abmessungen	Sensing Distance Schaltabstand	Mounting Montage	Connection   Anschluss		Page Seite	
			M8	M12		Cable   Kabel
Ø4 mm	0.8 mm □	◆	optional		●	115
M5	0.8 mm □	◆	optional		●	113
M8	1 mm □	◆	optional		●	113
M8	2 mm □	◇	optional		●	113
M12	2 mm □	◆		optional	●	114
M12	4 mm □	◇		optional	●	114
M18	5 mm □	◆		optional	●	114
M18	8 mm □	◇		optional	●	115
M30	10 mm □	◆		optional	●	115
M30	15 mm □	◇		optional	●	115

## Induktive Näherungsschalter | Inductive Proximity Switches

### ■ High Pressure Proof | Hochdruckfest

Dimension Abmessungen	Pressure proof up to Druckfest bis zu	Switching Indicator Schaltanzeige	Connection   Anschluss		Page Seite
			M12	Cable   Kabel	
M12	500 bar / 7251 PSI	●	●	●	118, 119, 120
M14	500 bar / 7251 PSI	●	●	●	120, 121
M14	1000 bar / 14503 PSI	●	●	●	121
M18	1000 bar / 14503 PSI	●	●	●	121

## Induktive Näherungsschalter | Inductive Proximity Switches





### ■ High Temperature | Hochtemperatur

Dimension Abmessungen	Sensing Distance Schaltabstand	Mounting Montage	Temperature   Temperatur			Page Seite
			120 °C 248 °F	150 °C 302 °F	180 °C 356 °F	
M8x1	2.0 mm □	◆	●			123
	4.0 mm □	◇	●			123, 124
M12x1	2.0 mm □	◆	●			124
	2.0 mm □	◆		●		128
	4.0 mm □	◆	●			125
	4.0 mm □	◆		●		129
	4.0 mm □	◇	●			124
	4.0 mm □	◇		●		128
	8.0 mm □	◇	●			125, 126
M18x1.5	8.0 mm □	◇		●		129, 130
	5.0 mm □	◆	●			126
	5.0 mm □	◆		●		130
	5.0 mm □	◆			●	132
	8.0 mm □	◇	●			126
	8.0 mm □	◇		●		130
	8.0 mm □	◇			●	132
M30x1.5	10.0 mm □	◆	●			127
	10.0 mm □	◆		●		131
	10.0 mm □	◆			●	133
	15.0 mm □	◇	●			127, 128
	15.0 mm □	◇		●		131, 132
	15.0 mm □	◇			●	133, 134





◆ Flush mounted into metal  
◆ Bündiger Einbau in Metall

◇ Semi-flush mounted into metal  
◇ Quasi-bündiger Einbau in Metall









◇ Non-flush mounted into metal  
◇ Nicht bündiger Einbau in Metall

Dimension Abmessungen	Sensing Distance Schaltabstand	Mounting Montage	Factor-1 Faktor-1	Sensing Face   Sensorfläche		Page Seite
				PBT	Stainless   Edelstahl	
M12		◆	●	●		138, 139
					●	139
M18		◆	●	●		139
					●	139
M30	On Request   Auf Anfrage	◆	●	●		140, 141
					●	141

Induktive Näherungsschalter | Inductive Proximity Switches  
 ■ Metall-Selektiv | Metal Selective

Dimension Abmessungen	Sensing Distance Schaltabstand	Mounting Montage	Connection   Anschluss			Page Seite
			M8	M12	Cable   Kabel	
M12		◆	●	●		144, 145
					●	145
M18		◆	●	●		145
					●	145
M30	On Request   Auf Anfrage	◆	●	●		146, 147
					●	147

Inductive Proximity Switches | Induktive Näherungsschalter  
 ■ Analog Voltage / Current | Analog Spannung / Strom

Dimension Abmessungen	Sensing Distance Schaltabstand	Mounting Montage	Output   Ausgang		Page Seite
			Voltage Spannung	Current Strom	
M8	3 mm 	◆	●	●	150
	6 mm 		●	●	150, 151
M12	6 mm 	◆	●	●	151
	10 mm 		●	●	151
M18	12 mm 	◆	●	●	152
	20 mm 		●	●	152, 153
M30	22 mm 	◆	●	●	154
	40 mm 		●	●	154

**Switching Output**  
Schaltausgang

**Threadless Housing**  
Glattgehäuse

D Only for / Nur bei  
Ø3 mm  
Ø4 mm  
Ø6.5 mm

**Mounting / Einbau**

S Shielded  
Bündig  
N Unshielded  
Nicht bündig

**Sensing Distance**  
Schaltabstand

in millimeter, e.g.  
in Millimeter, bspw.  
6  
12  
22  
50  
etc.

**Output Function**  
Ausgangsfunktion

O normally open  
Schließer  
C normally closed  
Öffner  
CO normally open + closed  
Schließer + Öffner  
OO twin output (NO)  
Doppelausgang  
(Schließer)  
CC twin output (NC)  
Doppelausgang (Öffner)  
not specified for NAMUR  
bei NAMUR nicht angegeben

**Anschluss / Connection**

A2P PVC-Cable, 2m, amber LED  
PVC-Leitung, 2m, gelbe LED  
N2P PVC-Cable, 2m, no LED  
PVC-Leitung, 2m, ohne LED  
A8 Connector M8, amber LED  
Stecker M8, gelbe LED  
3A8 300 mm PVC, Connector M8, LED  
300 mm PVC, Stecker M8, LED  
3A12 300 mm PVC, Connector M12, LED  
300mm PVC, Stecker M12, LED  
A12 Connector M12, amber LED  
Stecker M12, gelbe LED  
N12 Connector M12, no LED  
Stecker M12, ohne LED

**IPS D 18 - S C 12 P O 48 - A12**

**Prefix / Präfix**

See prefix codes  
Siehe präfix codes

**Housing Size / Bauform**

e.g. / bspw.  
5  
8  
12  
18  
etc.

**Temperature Range**  
Temperaturbereich

A = 120 °C / 250 °F  
B = 150 °C / 300 °F  
C = 180 °C / 356 °F  
For IHT ONLY  
NUR für IHT

**Output / Ausgang**

P PNP, 30 VDC  
N NPN, 30 VDC  
A 250 VAC, 2-wire  
+ Ground (gn/ye)  
250 VAC, 2-adrig  
+ PE (gn/ge)  
D 55 VDC, 2-wire  
55 VDC, 2-adrig  
NA NAMUR

**Overall Length**  
Gesamtlänge

in Millimeter, e.g.  
in Millimeter, bspw.  
18  
30  
45  
etc.

**Prefix**

IPS Inductive, High Performance  
IMF Inductive, Metal Face  
IUF Inductive, Ultra Metal Face (end stop)  
IHP Inductive, High Pressure Proof  
IHT Inductive, High Temperature Proof  
IWI Inductive, Weld-Field-Immune  
MFWI Inductive, Metal Face, Weld-Field-Immune  
IMS Inductive, Metal Selective  
MFMS Inductive, Metal Face, Metal Selective  
  
IR Inductive, Ring Sensor

**Präfix**

IPS Induktiv, Hochleistung  
IMF Induktiv, Vollmetallgehäuse  
IUF Induktiv, Vollmetallgehäuse Ultra (Anschlag)  
IHP Induktiv, Hochdruckfest  
IHT Induktiv, Hochtemperaturfest  
IWI Induktiv, Schweißfest  
MFWI Induktiv, Vollmetallgehäuse, Schweißfest  
IMS Induktiv, Metall Selektiv  
MFMS Induktiv, Vollmetallgehäuse, Metal Selektiv  
  
IR Induktiv, Ringsensor



## Analog Output Analogausgang

### Threadless Housing Glattgehäuse

D Only for / Nur für  
Ø6.5 mm

### Mounting / Einbau

S Shielded  
Bündig  
N Unshielded  
Nicht bündig

### Analog Output / Analogausgang

V Voltage  
Spannung  
I Current  
Strom

### Connection / Anschluss

N2P PVC-Cable, 2m, no LED  
PVC-Leitung, 2m, ohne LED  
N8 Connector M8, no LED  
Stecker M8, ohne LED  
N12 Connector M12, no LED  
Stecker M12, ohne LED

**IA D 12 - S 4 V 010 - N12**

### Prefix / Präfix

See prefix codes  
Siehe präfix codes

### Housing / Bauform

e.g. / bspw.  
8  
12  
18  
etc.

### Sensing Distance Schaltabstand

in Millimeter, e.g.  
in Millimeter, bspw.  
4  
6  
12  
etc.

### Range / Bereich

010 0...10 V<sub>DC</sub>  
420 4...20 mA

### Prefix

IA Inductive, Analog Output

### Präfix

IA Induktiv, Analoger Ausgang

These figures are examples of XECRO order codes.  
They are not to be used to create new order codes.  
Valid codes are listed on the catalog pages.

Diese Abbildung ist ein Beispiel einer XECRO Bestellnummer.  
Sie dient nicht dazu, neue Bestellnummern zu generieren.  
Gültige Bestellnummern sind auf den Katalogseiten aufgeführt.



#### STANDARD

XECRO **Standard** Series sensors cover all popular industry diameters including square-sections of 5x5mm and 8x8 mm respectively. The Standard Series of sensors represent the basic sensing distances of each size. Inductive sensors in the **Standard** Series have ranges which are the perfect choice for cost sensitive applications where longer sensing distances are not required. Even the **Standard** Series sensors, which are rated to be used between -25 ... +75 °C, come with a protection class of IP67 and are ideal for use in general purpose applications.

#### STANDARD

Die **Standard** Serie von XECRO deckt alle populären Durchmesser, einschließlich quaderförmiger Bauformen mit 5x5 und 8x8 mm, ab und stellt die Basis-Schaltabstände einer jeden Abmessung dar. Induktive Sensoren der Standardreihe sind die perfekte Wahl bei preissensitiven Anwendungen, die nicht von hohen Schaltabständen profitieren. Auch wenn sie die Basis bilden, sind alle Sensoren für den Einsatz bei -25 ... +75 °C, sowie einer Schutzart von IP67 spezifiziert und ideal für allgemeine Applikationen.



#### INCREASED / EXTENDED

If there are application requirements for longer sensing distances, sensors from the **Increased / Extended** Series of sensors offer up to three times further sensing distance than that of the Standard sensor family. The extended sensing distance allows for a longer range and therefore allows the electronics to be placed in a "safe area" - reducing the risk of mechanical damage. The Electronic circuits for the **Increased / Extended** Series of sensors fit into the same housing with the same dimensions as those of the Standard series of sensors.

#### ERHÖHT / ERWEITERT

Erfordern mechanische Bedingungen höhere Schaltabstände, bieten Sensoren der **Extended** oder **Increased** Serie bis zu drei mal mehr Schaltabstand als die Standard Serie. Dadurch erhöht sich der zur Verfügung stehende "Sicherheitsabstand", was das Risiko mechanischer Beschädigung reduziert. Schaltungen aus diesen Serien werden in den gleichen Abmessungen verbaut, die auch bei der **Standard** Serie Verwendung finden.



#### PERFORMANCE

In some work environments, extremely high sensing distances are required and essential for proper operation. Sensors from the outstanding **Performance** Series offer the absolute best-in-class sensing distances. XECRO builds semi-shielded sensors as e.g. M8 with 4 mm sensing distance, M12 with 8 mm sensing distance and M18 with 15 mm sensing distance. The unshielded sensors, M30 with 50 mm sensing distance, achieve 25% more sensing distance when compared with the longest range sensors used by competitors enclosed within the same housing diameter.

#### HOCHLEISTUNG

In einigen Umgebungen sind höchste Schaltabstände für einen einwandfreien Betrieb entscheidend. Sensoren der herausragenden **Performance** Serie bieten die absolut höchsten Schaltabstände ihrer Klasse. XECRO fertigt quasi-bündige Sensoren wie z.B. M8 mit 4 mm Schaltabstand, M12 mit 8 mm Schaltabstand und M18 mit 15 mm Schaltabstand. Die nicht bündigen Sensoren M30 mit einem Schaltabstand von **50 mm** erreichen 25% mehr Schaltabstand als unsere besten Mitbewerber in der gleichen Bauform.



#### INDUCTIVE - MINIATURE

Engineers are often faced with a particular need for sensors that fit into small areas or spaces. The XECRO Inductive – **Miniature** Series, include self-contained sensors which range in size from Ø3 mm to M5 including square-sectional sensors of 5x5 mm. The Inductive – **Miniature** Series is guaranteed to be manufactured with built-in LED indicators, short-circuit-proof output drivers and reverse polarity protection.

#### INDUKTIV - MINIATUR

Häufig benötigen Konstrukteure Sensoren, die auf kleine Einbauorte zugeschnitten sind. XECROs **Miniature** Serie bietet Sensoren mit eingebautem Verstärker, im Bereich von Ø3 mm bis M5, sowie Sensoren mit einem Querschnitt von 5x5 mm. Alle Geräte der induktiven **Miniature** Serie werden in jedem Fall mit eingebauter LED-Anzeige, Verpolschutz und kurzschlussfesten Ausgangstreibern gefertigt.



## INDUCTIVE - METAL-FACE TECHNOLOGY

Inductive sensors utilizing **Metal-Face** Technology are constructed with housings made from one continuous piece of stainless steel which also includes the sensing face. This extra portion of robustness creates an ideal sensor for working in environments where even long sensing ranges cannot prevent mechanical sensor damage from taking place.

The highly optimized electronics allow XECRO the ability to manufacture these robust and reliable sensors using very short housings, which allow for mounting in smaller locations. The advantages of this innovative **Metal-Face** Technology can also be found in the **Weld-Field-Immune** Series, the **High – Pressure** Series, and the **Ultra-Metal-Face** series.



## INDUCTIVE - HIGH TEMPERATURE

XECRO Inductive **High Temperature** Series sensors have been designed to permanently operate under temperatures ranging between -25°C and + 180 °C (-13°F ... 356 °F). The evaluation electronics of the **High-Temperature** Series sensors utilize the same housing dimensions as other sensor series from XECRO. This allows for a high level of mounting standardization should your existing sensor require replacing with a higher temperature rated XECRO sensor.

XECRO **High-Temperature** Series sensors are available in sizes from M8 to M30 and are equipped with silicone or Teflon® (PTFE) cables. Silicone cable have an impressive flexibility which makes it a perfect choice for installations where the sensor's mounting location continuously moves. Conversely, Teflon® has an excellent robustness and should be considered only for permanent, non-motion related installations.



## INDUCTIVE - HIGH PRESSURE

Precise position sensing that operates under **high pressure** requires well-constructed sensors. XECRO fulfills these requirements with the wide range of **High – Pressure** Series sensors produced with two specialized technologies. These technologies result in a permanent pressure-resistant level of up to 1000 bar (14503 psi). Sensors for pressures of up to 500 bar (7251 psi), utilize traditional ceramic sealing to separate both the ferrite / coil combination and the evaluation electronics from the pressure-facing section of the housing. To achieve outstanding pressure durability, XECRO manufactures select **High – Pressure** sensors with **Metal-Face** technology. This calls for the housing of the sensor to be constructed from one continuous piece of stainless steel, which also includes the sensing face. These full-metal constructions offer excellent peak-pressure immunity and survive even under the harshest environments.

Most **High – Pressure** Series sensors from XECRO are available with a built-in LED indicator to simplify mechanical set-up.

## INDUKTIV - METAL-FACE TECHNOLOGIE

Induktive Sensoren mit **Metal-Face** Technologie verwenden ein durchgehendes Edelstahlgehäuse, einschließlich der Sensorfläche. Dieses Extra an Robustheit prädestiniert sie in Umgebungen, in denen auch hohe Schaltabstände eine mechanische Beschädigung nicht verhindern können.

Aufgrund hochgradig optimierter Schaltungen, kann XECRO diese robusten und verlässlichen Sensoren in sehr kurzen Gehäusen fertigen, welche die Verwendung unter beengten Einbaubedingungen erlauben. Die Vorteile dieser innovativen **Metal-Face** Technologie finden sich ebenfalls in den **schweißfesten**, **druckfesten** und **Ultra-Metal-Face** Serien.

## INDUKTIV - HOCHTEMPERATUR

XECRO induktive **Hochtemperatur** Sensoren wurden für den dauerhaften Einsatz bei Temperaturen von -25 bis + 180 °C (-13 ... 356 °F) entwickelt. Die Schaltungen der **Hochtemperatur** Sensoren passen in exakt die gleichen Gehäuseabmessungen, der anderen Sensorlinien von XECRO. Diese Vereinheitlichung erlaubt den problemlosen Austausch, sollte ein XECRO Sensor temperaturbedingt ersetzt werden müssen.

XECRO Hochtemperatur Sensoren sind in den Bauformen M8 bis M30 erhältlich und sind wahlweise mit Silikon- oder Teflon® (PTFE) Anschlussleitungen ausgestattet. Silikonleitungen verfügen über eine beeindruckende Flexibilität, welche sie für Anwendungen mit bewegten Sensoren prädestiniert. Im Gegensatz dazu, hat Teflon® eine ausgezeichnete Widerstandsfähigkeit, sollte aber nur bei festen Installationen eingesetzt werden.

## INDUKTIV - DRUCKFEST

Die präzise Positionsbestimmung unter Hochdruck, erfordert gut konstruierte Sensoren. XECRO erfüllt diese Anforderungen mit einer großen Auswahl an **druckfesten** Sensoren, die auf zwei unterschiedlichen Technologien basieren. Diese Produktionsverfahren ergeben eine dauerhafte Druckfestigkeit von bis zu 1000 bar (14503 psi).

Sensoren mit einer Druckfestigkeit von bis zu 500 bar basieren auf einer üblichen Keramikdichtplatte um die Spulen- Ferritkombination und die Elektronik von der Druckseite zu trennen. Um eine außergewöhnliche Widerstandsfähigkeit bei hohen Drücken zu erreichen, fertigt XECRO einige Sensoren mit seiner **Metal-Face** Technologie, bei der der Sensor aus einem durchgehenden Edelstahlgehäuse, einschließlich der Sensorfläche besteht. Diese Konstruktion bietet ausgezeichnete Eigenschaften bei wechselnden Belastungen und besteht auch unter den härtesten Bedingungen.

Zur Erleichterung der Montage, sind nahezu alle **druckfesten** Sensoren von XECRO mit LED Anzeige erhältlich.

*We create sensors!*



#### INDUCTIVE- ULTRA-METAL-FACE

Sensors based on **Ultra-Metal-Face** technology are one of the latest innovations from XECRO. These sensors are constructed with an ultra-thick sensing face, made of stainless steel and have been designed to withstand even the heaviest mechanical impacts.

The specific advantage of these sensors is to enable application engineers to achieve perfect positioning precision.

In applications where parts need to be positioned, engineers typically select sensors with long sensing distances. This is logically done to avoid mechanical damage to the sensor; however, with increased sensing distances, environmental changes cause a detrimental effect on the repeatability of the switching point. Therefore, selecting sensors for accurate positioning has all too often become an un-avoidable compromise for many engineers.

Inspired from our customer feedback, the **Ultra-Metal-Face** sensors approach this problem from a completely unique vantage point. These sensors have been down-tuned to short sensing distances of 1 mm only - on ferrous and non-ferrous metal (**Factor-1**). The combination of unseen industry robustness and a precise switching point offers a completely totally new and unique solution. The possibilities are endless - just drop a metal part on it and it works... precisely!



#### INDUCTIVE - WELD-FIELD-IMMUNE

**Weld - Field Immune** Series sensors from XECRO are capable of operating even if exposed to the heaviest of magnetic fields typically seen when sensors are installed too close to industrial welding equipment.

To meet the multitude of different demands from design engineers, XECRO has diversified its **Weld - Field Immune** Series sensors into two different categories.

The first, and more economical category, is supplied with brass housings and a PTFE front cap. The second, designed with **Metal-Face** technology, is for those environments where a high level of mechanical robustness and reliability is preferred or necessary.

Both versions utilize the same coil-less technology with **Reduction-Factor-1** characteristics. This feature enables an increased versatility and usefulness for applications where ferrous and non-ferrous metal are required to be handled with the same sensor.

#### INDUKTIV - ULTRA-METAL-FACE

Auf der **Ultra-Metal-Face** Technologie basierende Sensoren sind die neueste Innovation von XECRO. Diese Sensoren verfügen über eine extrem massive Sensorfläche aus Edelstahl und widerstehen selbst dem stärksten mechanischen Aufprall.

Die sehr speziellen Eigenschaften dieser Sensoren, versetzen Anwender in die Lage, eine perfekte Positioniergenauigkeit zu erreichen.

In Situationen, in denen Objekte positioniert werden müssen, wählen Anwender oft Sensoren mit hohen Schaltabständen. Dies geschieht verständlicherweise um Beschädigungen am Sensor zu vermeiden; jedoch steigt mit der Erhöhung des Schaltabstandes auch der Einfluss anderer Faktoren auf die Wiederholgenauigkeit des Schaltpunktes. Daher war die Wahl eines geeigneten Sensors bisher all zu oft nur ein unvermeidbarer Kompromiss.

Angeregt durch Applikationen unserer Kunden, gehen die **Ultra-Metal-Face** Sensoren das Problem von einer völlig anderen Seite an. Diese Sensoren wurden auf kurze Schaltabstände von lediglich 1mm mit **Faktor-1**-Eigenschaft kalibriert. Die Kombination aus bisher nicht dagewesener Robustheit mit einem präzisen Schaltpunkt bietet eine völlig neue und einzigartige Lösung. Die Möglichkeiten sind endlos - einfach Metall auf Anschlag bringen und es funktioniert... präzise!

#### INDUKTIV - SCHWEISSFEST

Schweißfeste Sensoren von XECRO funktionieren auch unter dem Einfluss von schwersten magnetischen Feldern; wie sie z.B. auftreten, wenn Sensoren nahe industrieller Schweißvorrichtungen montiert werden.

Um unterschiedlichen Ansprüchen gerecht zu werden, hat XECRO seine schweißfesten Sensoren in zwei Klassen unterteilt.

Die erste, kostengünstige Version, wird mit Messinggehäuse und PTFE-Frontkappe geliefert. Die zweite, ausgestattet mit **Metal-Face** Technologie, ist für Umgebungen, in denen ein hohes Niveau an Robustheit und Verlässlichkeit gewünscht oder erforderlich ist. Beide Versionen verwenden die gleiche spulenlose Technologie mit **Reduktionsfaktor-1** Verhalten. Diese Eigenschaft ist besonders vorteilhaft in Applikationen, in denen eisenhaltige und nicht eisenhaltige Metalle mit dem gleichen Sensor erkannt werden müssen.



## INDUCTIVE - ANALOG OUTPUT

XECRO sensors with **Analog – Output**, are able to precisely measure distances to metal objects. They are ideal for position adjustment, distance measurement and metal classification /comparable applications. Analog current or voltage output is available in **Extended –** Sensing distances in sizes ranging from M8 to M30.

## INDUKTIV - ANALOGAUSGANG

XECRO Sensoren mit **Analogausgang** können präzise Abstände zu metallischen Objekten messen. Sie sind ideal zur Positionseinstellung, Abstandsmessung, Metallunterscheidung oder vergleichbaren Aufgaben. Analoge Strom- oder Spannungsausgänge mit **erweitertem Schaltabstand**, sind in den Bauformen M8 bis M30 verfügbar.

## INDUCTIVE - REDUCTION-FACTOR-1

The specified sensing distance ( $S_n$ ) for XECRO sensors, refers to a sensing distance utilizing a standard steel plate (St37) as described in EN-50010. Metals other than St37 will result in lower sensing distances measured. Designated reduction factors are therefore used and are approximated values based on the quality of the alloy.

Due to a new, innovative circuit / coil design, sensors with a **Reduction Factor of 1** can be manufactured. **Reduction-Factor-1** Series sensors provide a constant sensing distance, regardless of whether ferrous or non-ferrous metal is detected.

## INDUKTIV - REDUKTIONS-FAKTOR-1

Der angegebene Schaltabstand ( $S_n$ ), bezieht sich auf eine Stahlplatte (St37) wie sie in der EN-50010 beschrieben wird. Andere Metalle als St37, resultieren in geringeren Schaltabständen. Angegebene Reduktionsfaktoren sind Näherungswerte, basierend auf der Qualität der Legierung. Mit einem neuen, innovativen Schaltungs- / Spulendesign können Sensoren mit einem **Reduktionsfaktor von 1** gefertigt werden. Reduktionsfaktor-1 Sensoren bieten einen gleichbleibenden Schaltabstand, unabhängig davon, ob eisenhaltiges oder nicht eisenhaltiges Metall erkannt wird.

## TWO-WIRE

For installations which require the use of a sensor with a **two-wire** connection, XECRO offers Standard and Extended ranges for both AC, and DC voltages.

This enables XECRO the ability to offer a **Two – Wire** Series sensor with sensing ranges reaching up to up to 25mm.

**Two-Wire** Series sensors requiring **NAMUR** specifications are available in any standard diameter as well as in most space saving housing lengths.

## 2-LEITER

Für Installationen, bei denen sich die Verwendung von Sensoren mit **2-Leiter**-Anschluss als Vorteilhaft erweist, bietet XECRO Schaltabstände im Bereich Standard und auch Extended sowohl für DC als auch für AC Spannung. Das bedeutet, das XECRO **2-Leiter** Sensoren mit Schaltabständen von bis zu 25mm anbieten kann.

**2-Leiter** Sensoren entsprechend **NAMUR** Spezifikationen, sind in jedem gängigen Durchmesser und auch in sehr platzsparenden Gehäuselängen verfügbar.

*We create sensors!*

# Capacitive Proximity Switches | Kapazitive Näherungsschalter

■ NPN / NPN 10...30 VDC | NPN / NPN 10...30 VDC

Dimension Abmessungen	Sensing Distance Schaltabstand	Mounting Montage	Connection   Anschluss			Housing   Gehäuse				Page Seite
			M8	M12	Cable   Kabel	Brass   Messing	PBT	PTFE		
M8x1	2.0 mm	◆	●	●	●	●				156
	2.0 mm	◆	●	●	●			●		Available   Verfügbar
	4.0 mm	◇	●	●	●	●				157
	4.0 mm	◇	●	●	●			●		Available   Verfügbar
M12x1	4.0 mm	◆		●	●	●				157, 158
	4.0 mm	◆		●	●			●		157, 158
	6.0 mm	◇		●	●	●				158
	6.0 mm	◇		●	●			●		158, 159
	8.0 mm	◇		●	●			●		159, 160
	8.0 mm	◇		●	●			●		159, 160
	10.0 mm	◇		●	●			●		160
	10.0 mm	◇		●	●			●		160, 161
M18x1.5	8.0 mm	◆		●	●	●				161, 162
	8.0 mm	◆		●	●			●		161, 162
	12.0 mm	◇		●	●	●				162
	12.0 mm	◇		●	●			●		162, 163
	12.0 mm	◆		●	●			●		Available   Verfügbar
	15.0 mm	◇		●	●			●		163, 164
	15.0 mm	◇		●	●			●		163, 164
	20.0 mm	◇		●	●			●		164
	20.0 mm	◇		●	●			●		164, 165
	20.0 mm	◇		●	●				●	Available   Verfügbar
30x50x7 mm	6.0 mm	◆	●		●			●		169
	10.0 mm	◇	●		●			●		170
M30x1.5	20.0 mm	◆		●	●	●				165, 166
	20.0 mm	◆		●	●			●		165, 166
	25.0 mm	◇		●	●	●				166, 167
	25.0 mm	◆		●	●			●		167
	25.0 mm	◆		●	●				●	Available   Verfügbar
	30.0 mm	◇		●	●	●				167, 168
	30.0 mm	◇		●	●			●		167, 168
	35.0 mm	◇		●	●			●		168, 169
	35.0 mm	◇		●	●				●	169
	35.0 mm	◇		●	●				●	Available   Verfügbar
40x40 mm	20.0 mm	◆	Terminal   Anschlussklemme							169
	30.0 mm	◇	Terminal   Anschlussklemme							170

◆ Flush mounted into metal  
◆ Bündiger Einbau in Metall















◇ Semi-flush mounted into metal  
◇ Quasi-bündiger Einbau in Metall

◇ Non-flush mounted into metal  
◇ Nicht bündiger Einbau in Metall

Dimension Abmessungen	Connection   Anschluss			Page Seite
	M12-axial   M12-axial	M12-radial   M12-radial	Cable   Kabel	
Ø6 mm	●		Optional	172
Ø10 mm	●	●	Optional	172
Ø15 mm	●	●	Optional	173
Ø21 mm	●	●	Optional	173












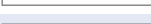
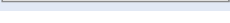

Capacitive Proximity Switches | Kapazitive Näherungsschalter

▪ 2-wire 20...255 VAC | 2-adrig 20...255 VAC

Dimension Abmessungen	Sensing Distance Schaltabstand	Mounting Montage	Connection   Anschluss		Housing   Gehäuse				Page Seite
			M12	Cable   Kabel	Brass   Messing	PBT	PTFE		
M18x1.5	8.0 mm 	◆	●	●	●				174
	8.0 mm 	◆	●	●			●		174, 175
	8.0 mm 	◆	●	●				●	Available   Verfügbar
	15.0 mm 	◇	●	●	●				175
	15.0 mm 	◇	●	●			●		175
	15.0 mm 	◇	●	●				●	Available   Verfügbar
M30x1.5	20.0 mm 	◆	●	●	●				176
	20.0 mm 	◆	●	●			●		176, 177
	20.0 mm 	◆	●	●				●	Available   Verfügbar
	30.0 mm 	◇	●	●	●				177
	30.0 mm 	◇	●	●			●		177
40x40 mm	30.0 mm 	◇	●	●				●	Available   Verfügbar
	20.0 mm 	◆		Terminal   Anschlussklemme				●	178
	30.0 mm 	◇		Terminal   Anschlussklemme				●	178

Capacitive Proximity Switches | Kapazitive Näherungsschalter

▪ High Temperature | Hochtemperatur

Dimension Abmessungen	Sensing Distance Schaltabstand	Mounting Montage	Temperature   Temperatur		Page Seite
			120 °C 248 °F	150 °C 302 °F	
M8x1	1.0 mm 	◆	●		Soon   Kurzfristig
	2.0 mm 	◇	●		Soon   Kurzfristig
M12x1	4.0 mm 	◆	●		182
	4.0 mm 	◆		●	185
M18x1.5	8.0 mm 	◇	●		182, 183
	8.0 mm 	◇		●	185
	8.0 mm 	◆	●		183
	8.0 mm 	◆		●	186
	15.0 mm 	◇	●		183
M30x1.5	15.0 mm 	◇		●	186, 187
	20.0 mm 	◆	●		184
	20.0 mm 	◆		●	187
	30.0 mm 	◇	●		184, 185
	30.0 mm 	◇		●	187

**Switching Output**  
Schaltausgang

**Threadless Housing**  
Glattgehäuse  
D Only for / Nur bei  
Ø6,5 mm

**Mounting / Einbau**  
S Shielded  
Bündig  
N Unshielded  
Nicht bündig

**Sensing Distance**  
Schaltabstand  
in millimeter, e.g.  
in Millimeter, bspw.  
6  
12  
22  
etc.

**Output Function**  
Ausgangsfunktion  
O normally open  
Schließer  
C normally closed  
Öffner

**Housing Material**  
Gehäusematerial  
P Plastic  
Kunststoff  
T Teflon® (PTFE)  
Teflon® (PTFE)  
If not specified, brass is default  
Messing - wenn nicht angegeben

**CS D 18 S C 12 P O 60 T - A12**

**Prefix / Präfix**  
See prefix codes  
Siehe präfix codes

**Housing Size / Bauform**  
e.g. / bspw.  
8  
12  
18  
etc.

**Temperature Range**  
Temperaturbereich  
A = 120 °C / 250 °F  
B = 150 °C / 300 °F  
For CHT ONLY  
NUR für CHT

**Output / Ausgang**  
P PNP, 30 V<sub>DC</sub>  
N NPN, 30 V<sub>DC</sub>  
A 250 V<sub>AC</sub>, 2-wire  
+ ground (gn/ye)  
250 V<sub>AC</sub>, 2-adrig  
+ PE (gn/ge)

**Overall Length**  
Gesamtlänge  
in Millimeter, e.g.  
in Millimeter, bspw.  
18  
30  
45  
etc.

**Connection / Anschluss**  
A2P PVC-Cable, 2m, amber LED  
PVC-Leitung, 2m, gelbe LED  
N2P PVC-Cable, 2m, no LED  
PVC-Leitung, 2m, ohne LED  
A8 Connector M8, amber LED  
Stecker M8, gelbe LED  
A12 Connector M12, amber LED  
Stecker M12, gelbe LED

**Präfix**

CS Kapazitiv, Hochleistung  
CHT Kapazitiv, Hochtemperaturfest

CR Capacitive, Ring Sensor

**Prefix**

CPS Capacitive, High Performance  
CHT Capacitive, High Temperature Proof

CR Kapazitiv, Ringsensor

These figures are examples of XECRO order codes.  
They are not to be used to create new order codes.  
Valid codes are listed on the catalog pages.

Diese Abbildung ist ein Beispiel einer XECRO Bestellnummer.  
Sie dient nicht dazu, neue Bestellnummern zu generieren.  
Gültige Bestellnummern sind auf den Katalogseiten aufgeführt.





#### CAPACITIVE - EXTENDED

XECRO's **Extended** Series of Capacitive sensors cover all popular diameters between Ø6.5 mm and M30. The Standard series comes with excellent sensing distances by default. The Capacitive – **Extended** Series sensors are a perfect choice for cost sensitive applications where extra-long sensing distances are not required. The Capacitive – **Extended** Series of sensors form the basic /standard level of specifications. All sensors are rated to be used between -25 ... +75 °C, rated with a protection level of IP67, and are ideal for general purpose applications.

#### KAPAZITIV - ERWEITERT / EXTENDED

Die **Extended** Serie von XECRO deckt alle populären Durchmesser, zwischen Ø6.5 mm und M30 ab. Bereits die Standard-Serie verfügt über außerordentlich hohe Schaltabstände. Die **Extended** Serie bildet die Basis, bei der alle Sensoren für den Einsatz bei -25 ... +75 °C, sowie einer Schutzart von IP67 spezifiziert wurden; sie sind daher ideal für allgemeine Applikationen.



#### CAPACITIVE - PERFORMANCE

In some work environments high sensing distances are more than just a luxury, it is a necessity. Capacitive Sensors from the outstanding Performance Series, offer absolute best-in-class sensing distances. XECRO manufactures shielded capacitive sensors such as e.g. M8 with 2 mm sensing distance, M12 with 6 mm sensing distance and M18 with 15 mm sensing distance. Unshielded Capacitive Performance Series in M30 housings, achieve up to a 35mm sensing distance.

#### KAPAZITIV - PERFORMANCE

In einigen Umgebungen sind höchste Schaltabstände mehr als nur hilfreich. Sensoren der herausragenden kapazitiven **Performance** Serie bieten die absolut höchsten Schaltabstände ihrer Klasse. XECRO fertigt bündige kapazitive Sensoren wie z.B. M8 mit 2 mm Schaltabstand, M12 mit 6 mm Schaltabstand und M18 mit 12 mm Schaltabstand. Nicht bündige Sensoren erreichen in der Bauform M30 bis zu 35 mm Schaltabstand.



#### CAPACITIVE - HIGH TEMPERATURE

XECRO's Capacitive - **High Temperature** Series sensors have been designed for use in permanent environmental temperatures ranging between -25...+150 °C (-13 ... 302 °F). The evaluation electronics of the Capacitive – **High Temperature** Series sensors fit into the identical housing as other capacitive sensors from XECRO. XECRO's Capacitive – **High Temperature** Series sensors are available in sizes ranging from M8 to M30 and are constructed with silicone or Teflon® (PTFE) cables. Silicone cable has an impressive flexibility which makes it a perfect choice for installations where the sensor permanently moves causing flex in the cable. Conversely, Teflon® has an excellent robustness and should be considered for installations where the sensor body is located on a stationary mount.

#### KAPAZITIV - HOCHTEMPERATUR

XECRO induktive **Hochtemperatur** Sensoren wurden für den dauerhaften Einsatz bei Temperaturen von -25 bis + 150 °C (-13 ... 356 °F) entwickelt. Die **Hochtemperatur**-Schaltungen passen in exakt die gleichen Gehäuse, der anderen kapazitiven Sensorlinien von XECRO. XECRO kapazitive **Hochtemperatur** Sensoren sind in den Bauformen M8 bis M30 erhältlich und sind wahlweise mit Silikon- oder Teflon® (PTFE) Anschlussleitungen ausgestattet. Silikonleitungen verfügen über eine beeindruckende Flexibilität, welche Sie für Anwendungen mit bewegten Sensoren prädestiniert. Im Gegensatz dazu, hat Teflon® eine ausgezeichnete Widerstandsfähigkeit, sollte aber nur bei festen Installationen eingesetzt werden.

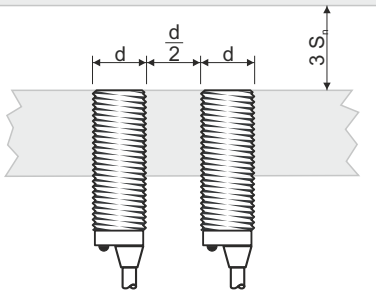
*We create sensors!*

Basic considerations - please contact XECRO or your local distributor to get application related assistance

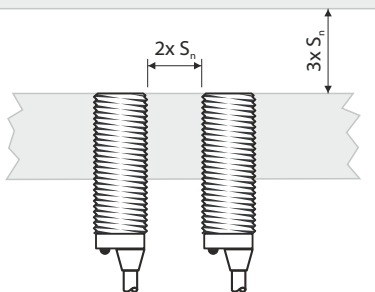
Grundsätzliche Auslegung - bitte kontaktieren sie XECRO oder ihren lokalen Distributor für applikationsspezifische Unterstützung

MOUNTING CLEARANCE | MONTAGEABSTÄNDE

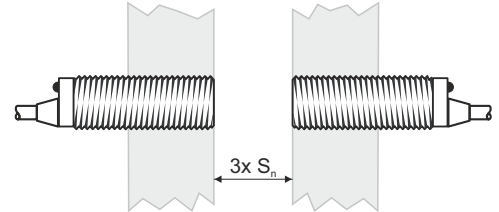
STANDARD



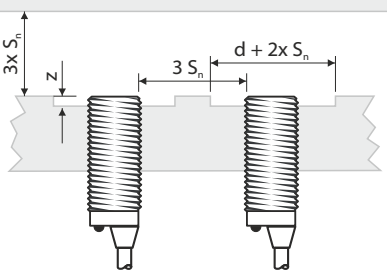
INCREASED



STANDARD | INCREASED

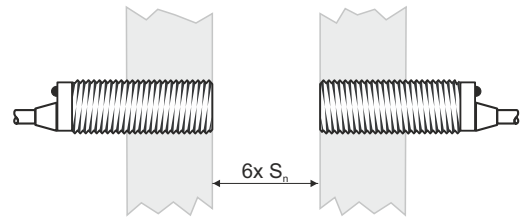


EXTENDED | PERFORMANCE

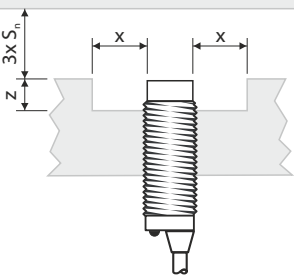


Diameter   Durchmesser	z (mm)
Ø6.5 / M8	1
M12	2
M18	4
M30	6.5

EXTENDED / PERFORMANCE



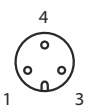
ALL SERIES / UNSHIELDED



Diameter   Durchmesser	x (mm)	z (mm)
Ø6.5 / M8	8	8
M12	14	14
M18	20	24
M30	38	35

PIN ASSIGNMENT | PINZUORDNUNG

M8 / 3



Color   Farbe	Pin
brown braun	1
blue blau	3
black schwarz	4

M8 / 4



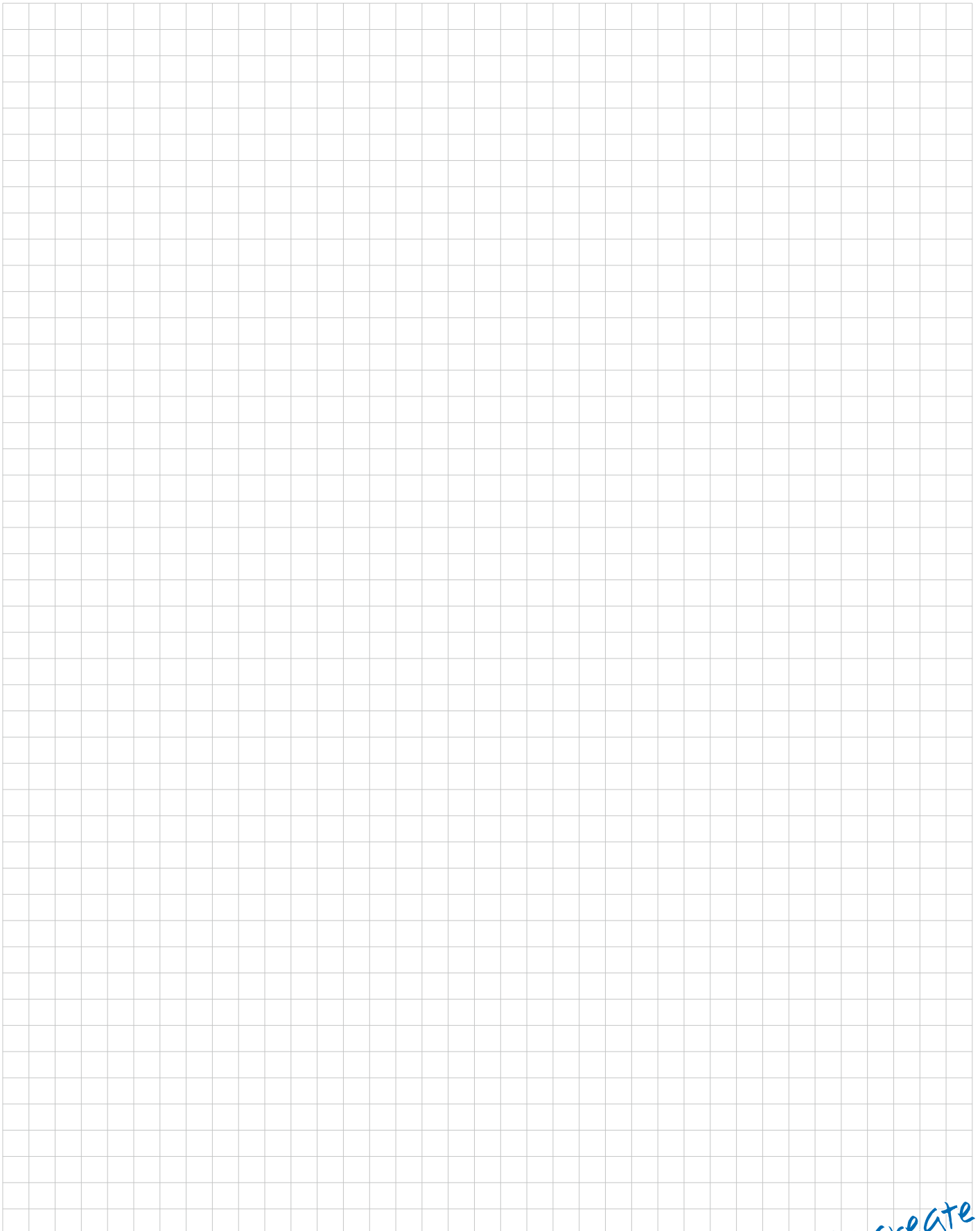
Color   Farbe	Pin
brown braun	1
white weiß	2
blue blau	3
black schwarz	4

M12 / 4



Color   Farbe	Pin
brown braun	1
white weiß	2
blue blau	3
black schwarz	4

## Notes Notizen



*We create  
sensors!*

## TOP BENEFITS

Fully embedded Amplifier

Very short housings also in the Performance series

Stainless steel housings, potted with epoxy and fiber-glass reinforced substrates / PCBs for maximum long-term stability

Temperature range from -25 ... +75 °C

## HAUPTVORTEILE

Vollständig integrierter Verstärker

Sehr kurze Bauformen ebenfalls in der Performance Serie

Edelstahlgehäuse, Epoxidverguss und Glasfaserverstärkte Substrate / Leiterplatten für maximale Langzeitstabilität

Temperaturbereich von -25 ... +75 °C

# MINIATURE

# Inductive Sensors

Abbildung zeigt 'IPSD4-S08NA9/N2P' (NAMUR)  
Picture shows 'IPSD4-S08NA9/N2P' (NAMUR)

### Caution

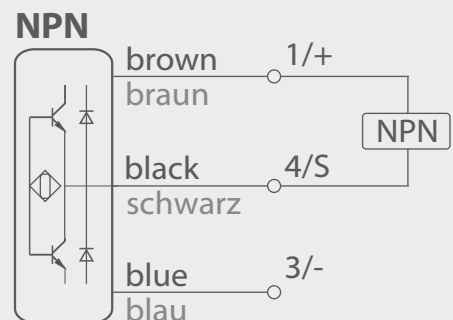
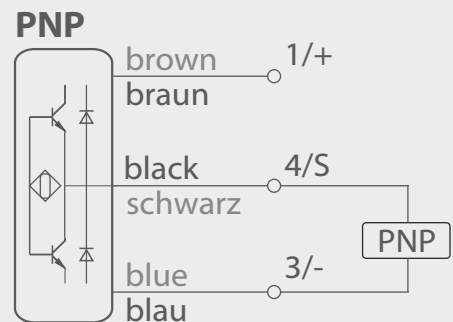
all devices from this section may not be used if the safety of persons rely on their faultless function!

### Achtung

alle Geräte in diesem Abschnitt dürfen nicht verwendet werden, wenn die Sicherheit von Personen von deren einwandfreier Funktion abhängig ist!



## CONNECTION



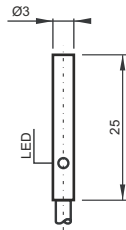
# INDUCTIVE

Shielded Bündig

Ø3 - 0.6 mm



Standard

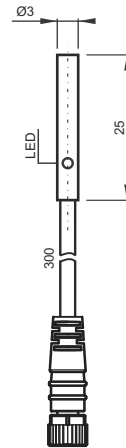


Shielded Bündig

Ø3 - 0.6 mm



Standard

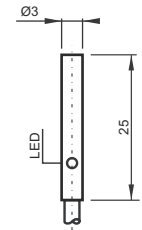


Shielded Bündig

Ø3 - 1 mm



Increased Erhöht



Housing	Bauform	Ø3 mm	Ø3 mm	Ø3 mm
Sensing Distance	Schaltabstand	0.6 mm	0.6 mm	1.0 mm
Operating Voltage	Betriebsspannung	10...30 Vdc	10...30 Vdc	10...30 Vdc
Current Load Capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA
Switching Frequency	Schaltfrequenz	2000 Hz	2000 Hz	2000 Hz
Operating Temperature	Betriebstemperatur	-25...75 °C	-25...75 °C	-25...75 °C
Protection Class	Schutzklasse	IP67	IP67	IP67
Sensing Face	Sensorfläche	PBT	PBT	PBT
Housing	Gehäuse	Stainless Steel Edelstahl	Stainless Steel Edelstahl	Stainless Steel Edelstahl
Connection	Anschluss	PVC, Ultra-Flex	300 mm, M8	PVC, Ultra-Flex
Switching Indicator	Schaltanzeige	built-in Integriert	built-in Integriert	built-in Integriert
<b>Part Number   Artikelnummer</b>				
PNP, NO		IPSD3-S06PO25-A2P	IPSD3-S06PO25-3P8	IPSD3-S1PO25-A2P
PNP, NC		IPSD3-S06PC25-A2P	IPSD3-S06PC25-3P8	IPSD3-S1PC25-A2P
PNP, NO+NC				
NPN, NO		IPSD3-S06NO25-A2P	IPSD3-S06NO25-3P8	IPSD3-S1NO25-A2P
NPN, NC		IPSD3-S06NC25-A2P	IPSD3-S06NC25-3P8	IPSD3-S1NC25-A2P
NPN, NO+NC				

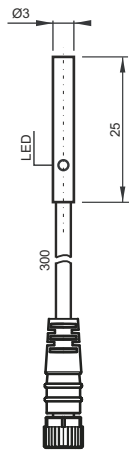


Shielded Bündig

Ø3 - 1 mm



Increased Erhöht

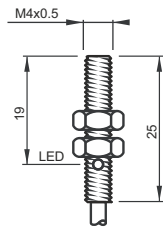


Shielded Bündig

M4 - 0.6 mm



Standard

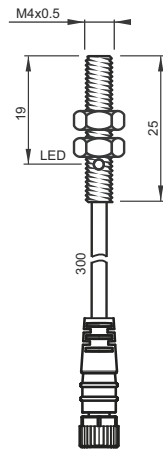


Shielded Bündig

M4 - 0.6 mm



Standard

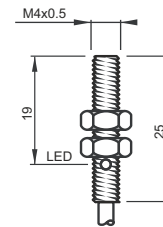


Shielded Bündig

M4 - 1 mm



Increased Erhöht

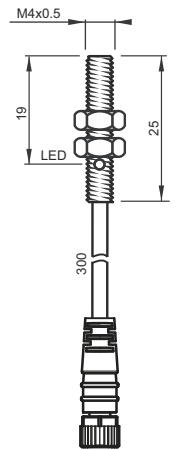


Shielded Bündig

M4 - 1 mm



Increased Erhöht



Ø3 mm

M4x0.5

M4x0.5

M4x0.5

M4x0.5

1.0 mm  
10...30 VDC  
200 mA  
2000 Hz  
-25...75 °C

0.6 mm  
10...30 VDC  
200 mA  
2000 Hz  
-25...75 °C

0.6 mm  
10...30 VDC  
200 mA  
2000 Hz  
-25...75 °C

1.0 mm  
10...30 VDC  
200 mA  
2000 Hz  
-25...75 °C

1.0 mm  
10...30 VDC  
200 mA  
2000 Hz  
-25...75 °C

IP67

IP67

IP67

IP67

IP67

PBT

PBT

PBT

PBT

PBT

Stainless Steel Edelstahl

Stainless Steel Edelstahl

Stainless Steel Edelstahl

Stainless Steel Edelstahl

Stainless Steel Edelstahl

300 mm, M8

PVC, Ultra-Flex

300 mm, M8

PVC, Ultra-Flex

300 mm, M8

built-in

Integriert

built-in

Integriert

built-in

Integriert

built-in

Integriert

built-in

Integriert

IPSD3-S1PO25-3P8

IPS4-S06PO25-A2P

IPS4-S06PO25-3P8

IPS4-S1PO25-A2P

IPS4-S1PO25-3P8

IPSD3-S1PC25-3P8

IPS4-S06PC25-A2P

IPS4-S06PC25-3P8

IPS4-S1PC25-A2P

IPS4-S1PC25-3P8

IPSD3-S1NO25-3P8

IPS4-S06NO25-A2P

IPS4-S06NO25-3P8

IPS4-S1NO25-A2P

IPS4-S1NO25-3P8

IPSD3-S1NC25-3P8

IPS4-S06NC25-A2P

IPS4-S06NC25-3P8

IPS4-S1NC25-A2P

IPS4-S1NC25-3P8



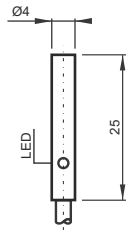
# INDUCTIVE

Shielded Bündig

Ø4 - 0.8 mm



Standard

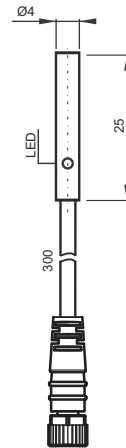


Shielded Bündig

Ø4 - 0.8 mm



Standard

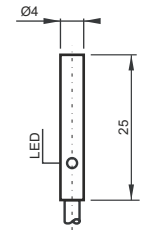


Shielded Bündig

Ø4 - 1.5 mm



Increased Erhöht



Housing	Bauform	Ø4 mm	Ø4 mm	Ø4 mm
Sensing Distance	Schaltabstand	0.8 mm	0.8 mm	1.5 mm
Operating Voltage	Betriebsspannung	10...30 Vdc	10...30 Vdc	10...30 Vdc
Current Load Capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA
Switching Frequency	Schaltfrequenz	2000 Hz	2000 Hz	2000 Hz
Operating Temperature	Betriebstemperatur	-25...75 °C	-25...75 °C	-25...75 °C
Protection Class	Schutzklasse	IP67	IP67	IP67
Sensing Face	Sensorfläche	PBT	PBT	PBT
Housing	Gehäuse	Stainless Steel Edelstahl	Stainless Steel Edelstahl	Stainless Steel Edelstahl
Connection	Anschluss	PVC, Ultra-Flex	300 mm, M8	PVC, Ultra-Flex
Switching Indicator	Schaltanzeige	built-in Integriert	built-in Integriert	built-in Integriert
<b>Part Number   Artikelnummer</b>				
PNP, NO		IPSD4-S08PO25-A2P	IPSD4-S08PO25-3P8	IPSD4-S1.5PO25-A2P
PNP, NC		IPSD4-S08PC25-A2P	IPSD4-S08PC25-3P8	IPSD4-S1.5PC25-A2P
PNP, NO+NC				
NPN, NO		IPSD4-S08NO25-A2P	IPSD4-S08NO25-3P8	IPSD4-S1.5NO25-A2P
NPN, NC		IPSD4-S08NC25-A2P	IPSD4-S08NC25-3P8	IPSD4-S1.5NC25-A2P
NPN, NO+NC				



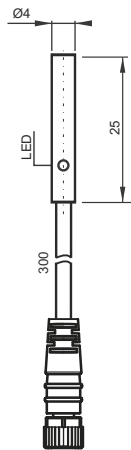


Shielded  
Bündig

**Ø4 - 1.5 mm**



Increased  
Erhöht

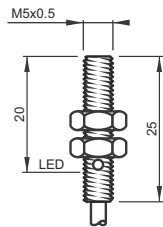


Shielded  
Bündig

**M5 - 0.8 mm**



Standard

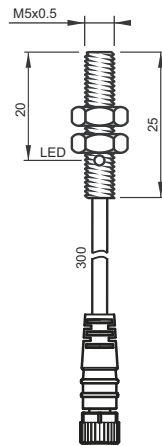


Shielded  
Bündig

**M5 - 0.8 mm**



Standard

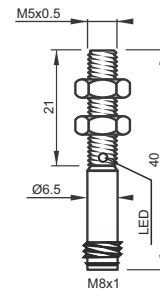


Shielded  
Bündig

**M5 - 0.8 mm**



Standard

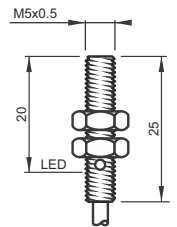


Shielded  
Bündig

**M5 - 1.5 mm**



Increased  
Erhöht



Ø4 mm		M5x0.5		M5x0.5		M5x0.5		M5x0.5	
1.5 mm		0.8 mm		0.8 mm		0.8 mm		1.5 mm	
10...30 VDC		10...30 VDC		10...30 VDC		10...30 VDC		10...30 VDC	
200 mA		200 mA		200 mA		200 mA		200 mA	
2000 Hz		2000 Hz		2000 Hz		2000 Hz		2000 Hz	
-25...75 °C		-25...75 °C		-25...75 °C		-25...75 °C		-25...75 °C	
IP67		IP67		IP67		IP67		IP67	
PBT		PBT		PBT		PBT		PBT	
Stainless Steel	Edelstahl	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl
300 mm, M8		PVC, Ultra-Flex		300 mm, M8		Conn. M8	Stecker M8	PVC, Ultra-Flex	
built-in	Integriert	built-in	Integriert	built-in	Integriert	built-in	Integriert	built-in	Integriert
IPSD4-S1.5PO25-3P8		IP55-S08PO25-A2P		IP55-S08PO25-3P8		IP55-S08PO40-A8		IP55-S1.5PO25-A2P	
IPSD4-S1.5PC25-3P8		IP55-S08PC25-A2P		IP55-S08PC25-3P8		IP55-S08PC40-A8		IP55-S1.5PC25-A2P	
IPSD4-S1.5NO25-3P8		IP55-S08NO25-A2P		IP55-S08NO25-3P8		IP55-S08NO40-A8		IP55-S1.5NO25-A2P	
IPSD4-S1.5NC25-3P8		IP55-S08NC25-A2P		IP55-S08NC25-3P8		IP55-S08NC40-A8		IP55-S1.5NC25-A2P	



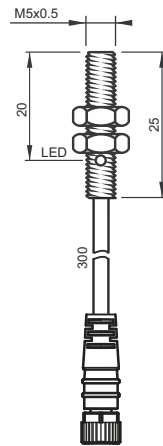
# INDUCTIVE

Shielded Bündig

**M5 - 1.5 mm**



Increased Erhöht

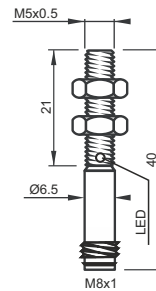


Shielded Bündig

**M5 - 1.5 mm**



Increased Erhöht

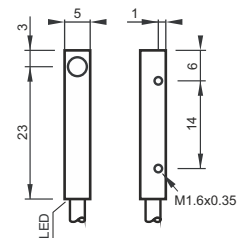


Shielded Bündig

**5x5 - 0.8 mm**



Standard



Housing	Bauform	M5x0.5	M5x0.5	5 x 5
Sensing Distance	Schaltabstand	1.5 mm	1.5 mm	0.8 mm
Operating Voltage	Betriebsspannung	10...30 Vdc	10...30 Vdc	10...30 Vdc
Current Load Capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA
Switching Frequency	Schaltfrequenz	2000 Hz	2000 Hz	2000 Hz
Operating Temperature	Betriebstemperatur	-25...75 °C	-25...75 °C	-25...75 °C
Protection Class	Schutzklasse	IP67	IP67	IP67
Sensing Face	Sensorfläche	PBT	PBT	PBT
Housing	Gehäuse	Stainless Steel Edelstahl	Stainless Steel Edelstahl	Brass Messing
Connection	Anschluss	300 mm, M8	Conn. M8 Stecker M8	PVC, Ultra-Flex
Switching Indicator	Schaltanzeige	built-in Integriert	built-in Integriert	built-in Integriert
<b>Part Number   Artikelnummer</b>				
PNP, NO		IPS5-S1.5PO25-3P8	IPS5-S1.5PO40-A8	IPS55-S08PO26-A2P
PNP, NC		IPS5-S1.5PC25-3P8	IPS5-S1.5PC40-A8	IPS55-S08PC 26-A2P
PNP, NO+NC				
NPN, NO		IPS5-S1.5NO25-3P8	IPS5-S1.5NO40-A8	IPS55-S08NO26-A2P
NPN, NC		IPS5-S1.5NC25-3P8	IPS5-S1.5NC40-A8	IPS55-S08NC26-A2P
NPN, NO+NC				



Shielded  
Bündig

**5x5 - 0.8 mm**



Standard

Shielded  
Bündig

**5x5 - 1.5 mm**



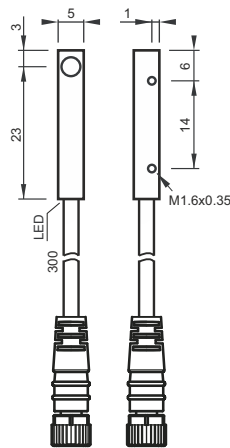
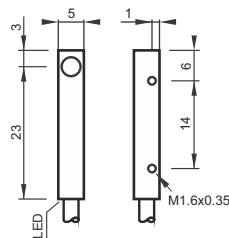
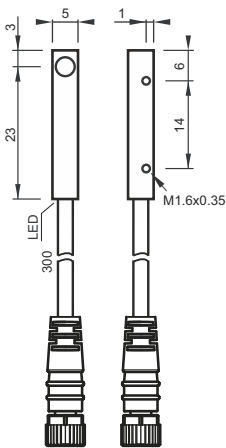
Increased  
Erhöht

Shielded  
Bündig

**5x5 - 1.5 mm**



Increased  
Erhöht



**5 x 5**

0.8 mm  
10...30 V<sub>DC</sub>  
200 mA  
2000 Hz  
-25...75 °C  
IP67  
PBT  
Brass      Messing  
300 mm, M8  
built-in      Integriert

**5 x 5**

1.5 mm  
10...30 V<sub>DC</sub>  
200 mA  
2000 Hz  
-25...75 °C  
IP67  
PBT  
Brass      Messing  
PVC, Ultra-Flex  
built-in      Integriert

**5 x 5**

1.5 mm  
10...30 V<sub>DC</sub>  
200 mA  
2000 Hz  
-25...75 °C  
IP67  
PBT  
Brass      Messing  
300 mm, M8  
built-in

IPS55-S08PO26-3P8  
IPS55-S08PC26-3P8

IPS55-S1.5PO26-A2P  
IPS55-S1.5PC26-A2P

IPS55-S1.5PO26-3P8  
IPS55-S1.5PC26-3P8

IPS55-S08NO26-3P8  
IPS55-S08NC26-3P8

IPS55-S1.5NO26-A2P  
IPS55-S1.5NC26-A2P

IPS55-S1.5NO26-3P8  
IPS55-S1.5NC26-3P8



XECRO reserves the right to make minor changes without prior notification.  
XECRO behält sich das Recht vor, geringfügige Anpassungen jederzeit durchzuführen.

## TOP BENEFITS

Best-in-class sensing distances, e.g.

M8, semi-shielded, 4 mm

M12, semi-shielded, 8 mm

M18, semi-shielded, 15 mm

M30, not shielded, 50 mm

Short housings, e.g.

M8, semi-shielded, 4 mm, 18 mm short

M12, semi-shielded, 6 mm, 22 mm short

## HAUPTVORTEILE

Höchste Schaltabstände ihrer Klasse, bspw.

M8, quasi-bündig, 4 mm

M12, quasi-bündig, 8 mm

M18, quasi-bündig, 15 mm

M30, nicht bündig, 50 mm

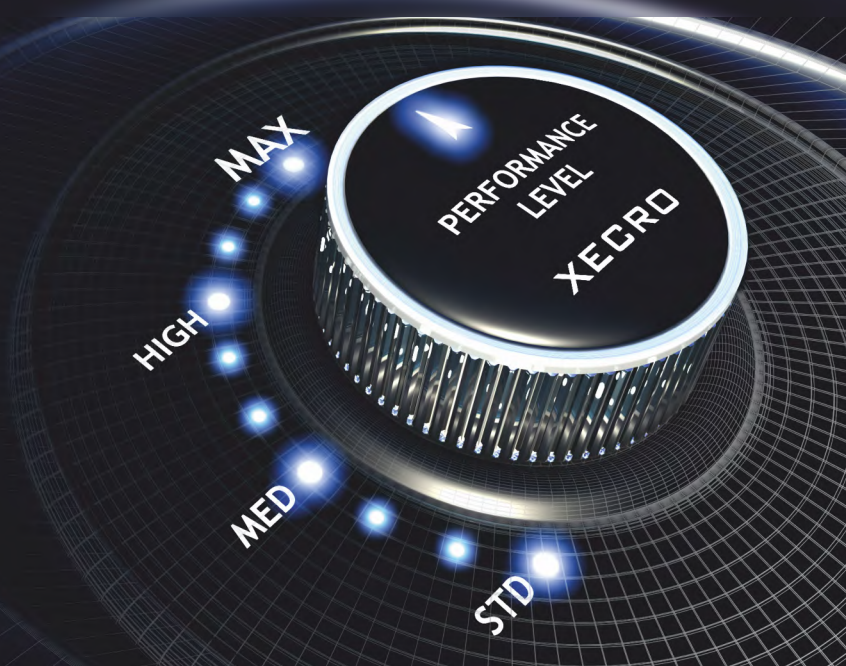
Kurze Bauformen, bspw.

M8, quasi-bündig, 4 mm, 18 mm kurz

M12, quasi-bündig, 6 mm, 22 mm kurz

# PERFORMANCE

## Inductive Sensors



### Caution

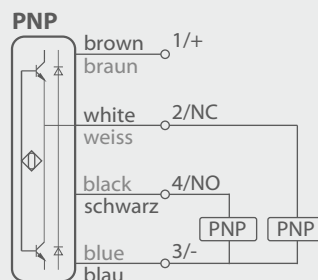
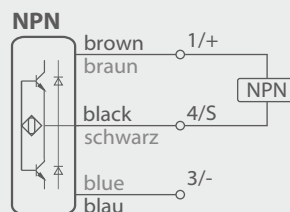
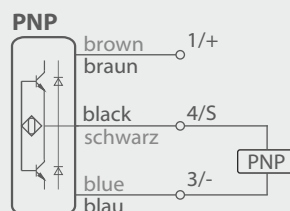
all devices from this section may not be used if the safety of persons rely on their faultless function!

### Achtung

alle Geräte in diesem Abschnitt dürfen nicht verwendet werden, wenn die Sicherheit von Personen von deren einwandfreier Funktion abhängig ist!



## CONNECTION



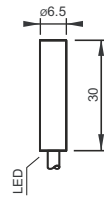
# INDUCTIVE

Shielded Bündig

Ø6.5 - 1 mm



Standard



Shielded Bündig

Ø6.5 - 1 mm



Standard

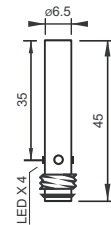


Shielded Bündig

Ø6.5 - 1 mm



Standard



Housing	Bauform	Ø6.5 mm		Ø6.5 mm		Ø6.5 mm	
Sensing Distance	Schaltabstand	1 mm		1 mm		1 mm	
Operating Voltage	Betriebsspannung	10...30 Vdc		10...30 Vdc		10...30 Vdc	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	2000 Hz		2000 Hz		2000 Hz	
Operating Temperature	Betriebstemperatur	-25...75 °C		-25...75 °C		-25...75 °C	
Protection Class	Schutzklasse	IP67		IP67		IP67	
Sensing Face	Sensorfläche	PBT		PBT		PBT	
Housing	Gehäuse	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl
Connection	Anschluss	PVC, Ultra-Flex		PVC, Ultra-Flex		Conn. M8	Stecker M8
Switching Indicator	Schaltanzeige	built-in	Integriert	built-in	Integriert	built-in	Integriert
<b>Part Number   Artikelnummer</b>							
PNP, NO		IPSD6-S1PO30-A2P		IPSD6-S1PO45-A2P		IPSD6-S1PO45-A8	
PNP, NC		IPSD6-S1PC30-A2P		IPSD6-S1PC45-A2P		IPSD6-S1PC45-A8	
PNP, NO+NC							
NPN, NO		IPSD6-S1NO30-A2P		IPSD6-S1NO45-A2P		IPSD6-S1NO45-A8	
NPN, NC		IPSD6-S1NC30-A2P		IPSD6-S1NC45-A2P		IPSD6-S1NC45-A8	
NPN, NO+NC							

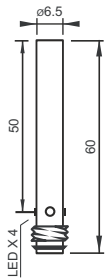


Shielded  
Bündig

Ø6.5 - 1 mm



Standard

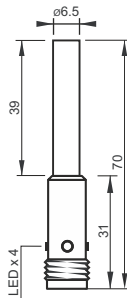


Shielded  
Bündig

Ø6.5 - 1 mm



Standard

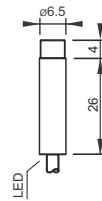


Unshielded  
Nicht bündig

Ø6.5 - 2 mm



Standard

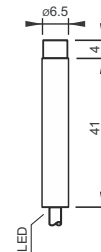


Unshielded  
Nicht bündig

Ø6.5 - 2 mm



Standard

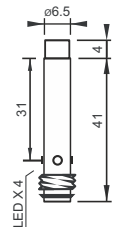


Unshielded  
Nicht bündig

Ø6.5 - 2 mm



Standard



Ø6.5 mm		Ø6.5 mm		Ø6.5 mm		Ø6.5 mm		Ø6.5 mm	
1 mm		1 mm		2 mm		2 mm		2 mm	
10...30 VDC		10...30 VDC		10...30 VDC		10...30 VDC		10...30 VDC	
200 mA		200 mA		200 mA		200 mA		200 mA	
2000 Hz		2000 Hz		2000 Hz		2000 Hz		2000 Hz	
-25...75 °C		-25...75 °C		-25...75 °C		-25...75 °C		-25...75 °C	
IP67		IP67		IP67		IP67		IP67	
PBT		PBT		PBT		PBT		PBT	
Stainless Steel	Edelstahl	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl
Conn. M8	Stecker M8	Conn. M12	Stecker M12	PVC, Ultra-Flex		PVC, Ultra-Flex		Conn. M8	Stecker M8
built-in	Integriert	built-in	Integriert	built-in	Integriert	built-in	Integriert	built-in	Integriert
IPSD6-S1PO60-A8		IPSD6-S1PO70-A12		IPSD6-N2PO30-A2P		IPSD6-N2PO45-A2P		IPSD6-N2PO45-A8	
IPSD6-S1PC60-A8		IPSD6-S1PC70-A12		IPSD6-N2PC30-A2P		IPSD6-N2PC45-A2P		IPSD6-N2PC45-A8	
IPSD6-S1NO60-A8		IPSD6-S1NO70-A12		IPSD6-N2NO30-A2P		IPSD6-N2NO45-A2P		IPSD6-N2NO45-A8	
IPSD6-S1NC60-A8		IPSD6-S1NC70-A12		IPSD6-N2NC30-A2P		IPSD6-N2NC45-A2P		IPSD6-N2NC45-A8	



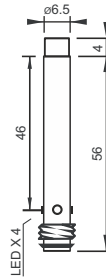
# INDUCTIVE

Unshielded  
Nicht bündig

Ø6.5 - 2 mm



Standard

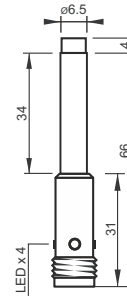


Unshielded  
Nicht bündig

Ø6.5 - 2 mm



Standard

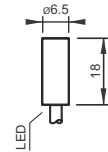


Shielded  
Bündig

Ø6.5 - 2 mm



Increased  
Erhöht



Housing	Bauform	Ø6.5 mm		Ø6.5 mm		Ø6.5 mm	
Sensing Distance	Schaltabstand	2 mm		2 mm		2 mm	
Operating Voltage	Betriebsspannung	10...30 Vdc		10...30 Vdc		10...30 Vdc	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	2000 Hz		2000 Hz		2000 Hz	
Operating Temperature	Betriebstemperatur	-25...75 °C		-25...75 °C		-25...75 °C	
Protection Class	Schutzklasse	IP67		IP67		IP67	
Sensing Face	Sensorfläche	PBT		PBT		PBT	
Housing	Gehäuse	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl
Connection	Anschluss	Conn. M8	Stecker M8	Conn. M12	Stecker M12	PVC, Ultra-Flex	
Switching Indicator	Schaltanzeige	built-in	Integriert	built-in	Integriert	built-in	Integriert
<b>Part Number   Artikelnummer</b>							
PNP, NO		IPSD6-N2PO60-A8		IPSD6-N2PO70-A12		IPSD6-S2PO18-A2P	
PNP, NC		IPSD6-N2PC60-A8		IPSD6-S1PC70-A12		IPSD6-S2PC18-A2P	
PNP, NO+NC							
NPN, NO		IPSD6-N2NO60-A8		IPSD6-N2NO70-A12		IPSD6-S2NO18-A2P	
NPN, NC		IPSD6-N2NC60-A8		IPSD6-N2NC70-A12		IPSD6-S2NC18-A2P	
NPN, NO+NC							



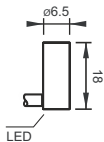


Shielded Bündig

Ø6.5 - 2 mm



Increased Erhöht

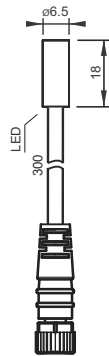


Shielded Bündig

Ø6.5 - 2 mm



Increased Erhöht

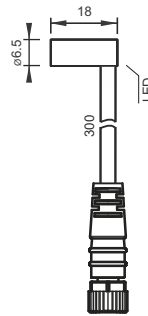


Shielded Bündig

Ø6.5 - 2 mm



Increased Erhöht

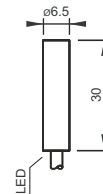


Shielded Bündig

Ø6.5 - 2 mm



Increased Erhöht

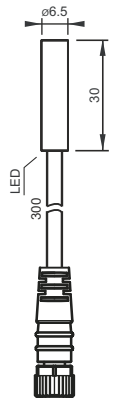


Shielded Bündig

Ø6.5 - 2 mm



Increased Erhöht



Ø6.5 mm		Ø6.5 mm		Ø6.5 mm		Ø6.5 mm		Ø6.5 mm	
2 mm		2 mm		2 mm		2 mm		2 mm	
10...30 Vdc		10...30 Vdc		10...30 Vdc		10...30 Vdc		10...30 Vdc	
200 mA		200 mA		200 mA		200 mA		200 mA	
2000 Hz		2000 Hz		2000 Hz		2000 Hz		2000 Hz	
-25...75 °C		-25...75 °C		-25...75 °C		-25...75 °C		-25...75 °C	
IP67		IP67		IP67		IP67		IP67	
PBT		PBT		PBT		PBT		PBT	
Stainless Steel	Edelstahl	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl
PVC, Ultra-Flex		300 mm, M8		300 mm, M8		PVC, Ultra-Flex		300 mm, M8	
built-in	Integriert	built-in	Integriert	built-in	Integriert	built-in	Integriert	built-in	Integriert
IPSD6-S2PO18-RA2P		IPSD6-S2PO18-3P8		IPSD6-S2PO18-R3P8		IPSD6-S2PO30-A2P		IPSD6-S2PO30-3P8	
IPSD6-S2PC18-RA2P		IPSD6-S2PC18-3P8		IPSD6-S2PC18-R3P8		IPSD6-S2PC30-A2P		IPSD6-S2PC30-3P8	
IPSD6-S2NO18-RA2P		IPSD6-S2NO18-3P8		IPSD6-S2NO18-R3P8		IPSD6-S2NO30-A2P		IPSD6-S2NO30-3P8	
IPSD6-S2NC18-RA2P		IPSD6-S2NC18-3P8		IPSD6-S2NC18-R3P8		IPSD6-S2NC30-A2P		IPSD6-S2NC30-3P8	



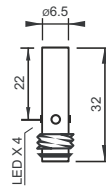
# INDUCTIVE

Shielded  
Bündig

Ø6.5 - 2 mm



Increased  
Erhöht

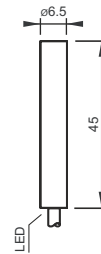


Shielded  
Bündig

Ø6.5 - 2 mm



Increased  
Erhöht

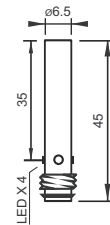


Shielded  
Bündig

Ø6.5 - 2 mm



Increased  
Erhöht



Housing	Bauform	Ø6.5 mm		Ø6.5 mm		Ø6.5 mm	
Sensing Distance	Schaltabstand	2 mm		2 mm		2 mm	
Operating Voltage	Betriebsspannung	10...30 Vdc		10...30 Vdc		10...30 Vdc	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	2000 Hz		2000 Hz		2000 Hz	
Operating Temperature	Betriebstemperatur	-25...75 °C		-25...75 °C		-25...75 °C	
Protection Class	Schutzklasse	IP67		IP67		IP67	
Sensing Face	Sensorfläche	PBT		PBT		PBT	
Housing	Gehäuse	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl
Connection	Anschluss	Conn. M8	Stecker M8	PVC, Ultra-Flex		Conn. M8	Stecker M8
Switching Indicator	Schaltanzeige	built-in	Integriert	built-in	Integriert	built-in	Integriert
<b>Part Number   Artikelnummer</b>							
PNP, NO		IPSD6-S2PO32-A8		IPSD6-S2PO45-A2P		IPSD6-S2PO45-A8	
PNP, NC		IPSD6-S2PC32-A8		IPSD6-S2PC45-A2P		IPSD6-S2PC45-A8	
PNP, NO+NC							
NPN, NO		IPSD6-S2NO32-A8		IPSD6-S2NO45-A2P		IPSD6-S2NO45-A8	
NPN, NC		IPSD6-S2NC32-A8		IPSD6-S2NC45-A2P		IPSD6-S2NC45-A8	
NPN, NO+NC							

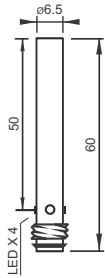


Shielded  
Bündig

Ø6.5 - 2 mm



Increased  
Erhöht

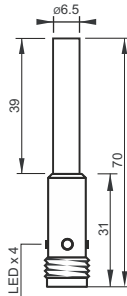


Shielded  
Bündig

Ø6.5 - 2 mm



Increased  
Erhöht

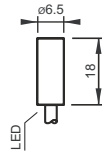


Shielded  
Bündig

Ø6.5 - 3 mm



Extended  
Erweitert

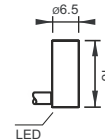


Shielded  
Bündig

Ø6.5 - 3 mm



Extended  
Erweitert

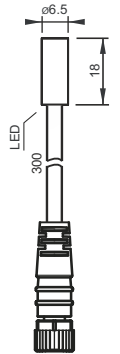


Shielded  
Bündig

Ø6.5 - 3 mm



Extended  
Erweitert



Ø6.5 mm

2 mm  
10...30 VDC  
200 mA  
2000 Hz  
-25...75 °C  
IP67  
PBT  
Stainless Steel  
Edelstahl  
Conn. M8  
Stecker M8  
built-in  
Integriert

IPSD6-S2PO60-A8  
IPSD6-S2PC60-A8  
  
IPSD6-S2NO60-A8  
IPSD6-S2NC60-A8

Ø6.5 mm

2 mm  
10...30 VDC  
200 mA  
2000 Hz  
-25...75 °C  
IP67  
PBT  
Stainless Steel  
Edelstahl  
Conn. M12  
Stecker M12  
built-in  
Integriert

IPSD6-S2PO70-A12  
IPSD6-S2PC70-A12  
  
IPSD6-S2NO70-A12  
IPSD6-S2NC70-A12

Ø6.5 mm

3 mm  
10...30 VDC  
200 mA  
1000 Hz  
-25...75 °C  
IP67  
PBT  
Stainless Steel  
Edelstahl  
PVC, Ultra-Flex  
built-in  
Integriert

IPSD6-S3PO18-A2P  
IPSD6-S3PC18-A2P  
  
IPSD6-S3NO18-A2P  
IPSD6-S3NC18-A2P

Ø6.5 mm

3 mm  
10...30 VDC  
200 mA  
1000 Hz  
-25...75 °C  
IP67  
PBT  
Stainless Steel  
Edelstahl  
PVC, Ultra-Flex  
built-in  
Integriert

IPSD6-S3PO18-RA2P  
IPSD6-S3PC18-RA2P  
  
IPSD6-S3NO18-RA2P  
IPSD6-S3NC18-RA2P

Ø6.5 mm

3 mm  
10...30 VDC  
200 mA  
1000 Hz  
-25...75 °C  
IP67  
PBT  
Stainless Steel  
Edelstahl  
300 mm, M8  
built-in  
Integriert

IPSD6-S3PO18-3P8  
IPSD6-S3PC18-3P8  
  
IPSD6-S3NO18-3P8  
IPSD6-S3NC18-3P8



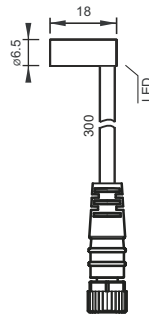
# INDUCTIVE

Shielded Bündig

Ø6.5 - 3 mm



Extended Erweitert



Shielded Bündig

Ø6.5 - 3 mm



Extended Erweitert

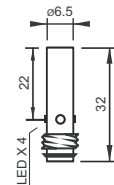


Shielded Bündig

Ø6.5 - 3 mm



Extended Erweitert



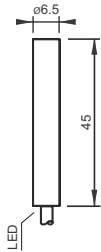
Housing	Bauform	Ø6.5 mm		Ø6.5 mm		Ø6.5 mm	
Sensing Distance	Schaltabstand	3 mm		3 mm		3 mm	
Operating Voltage	Betriebsspannung	10...30 Vdc		10...30 Vdc		10...30 Vdc	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	1000 Hz		1000 Hz		1000 Hz	
Operating Temperature	Betriebstemperatur	-25...75 °C		-25...75 °C		-25...75 °C	
Protection Class	Schutzklasse	IP67		IP67		IP67	
Sensing Face	Sensorfläche	PBT		PBT		PBT	
Housing	Gehäuse	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl
Connection	Anschluss	300 mm, M8		PVC, Ultra-Flex		Conn. M8	Stecker M8
Switching Indicator	Schaltanzeige	built-in	Integriert	built-in	Integriert	built-in	Integriert
<b>Part Number   Artikelnummer</b>							
PNP, NO		IPSD6-S3PO18-R3P8		IPSD6-S3PO30-A2P		IPSD6-S3PO32-A8	
PNP, NC		IPSD6-S3PC18-R3P8		IPSD6-S3PC30-A2P		IPSD6-S3PC32-A8	
PNP, NO+NC							
NPN, NO		IPSD6-S3NO18-R3P8		IPSD6-S3NO30-A2P		IPSD6-S3NO32-A8	
NPN, NC		IPSD6-S3NC18-R3P8		IPSD6-S3NC30-A2P		IPSD6-S3NC32-A8	
NPN, NO+NC							



Shielded  
Bündig  
**Ø6.5 - 3 mm**



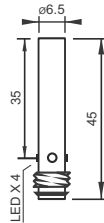
Extended  
Erweitert



Shielded  
Bündig  
**Ø6.5 - 3 mm**



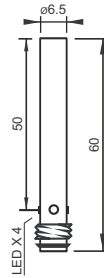
Extended  
Erweitert



Shielded  
Bündig  
**Ø6.5 - 3 mm**



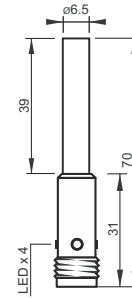
Extended  
Erweitert



Shielded  
Bündig  
**Ø6.5 - 3 mm**



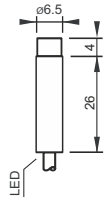
Extended  
Erweitert



Unshielded  
Nicht bündig  
**Ø6.5 - 4 mm**



Increased  
Erhöht



**Ø6.5 mm**

3 mm  
10...30 VDC  
200 mA  
1000 Hz  
-25...75 °C  
IP67  
PBT  
Stainless Steel Edelstahl  
PVC, Ultra-Flex  
built-in Integriert

IPSD6-S3PO45-A2P  
IPSD6-S3PC45-A2P

**Ø6.5 mm**

3 mm  
10...30 VDC  
200 mA  
1000 Hz  
-25...75 °C  
IP67  
PBT  
Stainless Steel Edelstahl  
Conn. M8 Stecker M8  
built-in Integriert

IPSD6-S3PO45-A8  
IPSD6-S3PC45-A8  
IPSD6-S3NO45-A8  
IPSD6-S3NC45-A8

**Ø6.5 mm**

3 mm  
10...30 VDC  
200 mA  
1000 Hz  
-25...75 °C  
IP67  
PBT  
Stainless Steel Edelstahl  
Conn. M8 Stecker M8  
built-in Integriert

IPSD6-S3PO60-A8  
IPSD6-S3PC60-A8  
IPSD6-S3NO60-A8  
IPSD6-S3NC60-A8

**Ø6.5 mm**

3 mm  
10...30 VDC  
200 mA  
1000 Hz  
-25...75 °C  
IP67  
PBT  
Stainless Steel Edelstahl  
Conn. M12 Stecker M12  
built-in Integriert

IPSD6-S3PO70-A12  
IPSD6-S3PC70-A12  
IPSD6-S3NO70-A12  
IPSD6-S3NC70-A12

**Ø6.5 mm**

4 mm  
10...30 VDC  
200 mA  
1000 Hz  
-25...75 °C  
IP67  
PBT  
Stainless Steel Edelstahl  
PVC, Ultra-Flex  
built-in Integriert

IPSD6-N4PO30-A2P  
IPSD6-N4PC30-A2P  
IPSD6-N4NO30-A2P  
IPSD6-N4NC30-A2P



# INDUCTIVE

Unshielded  
Nicht bündig

Ø6.5 - 4 mm



Increased  
Erhöht

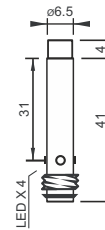


Unshielded  
Nicht bündig

Ø6.5 - 4 mm



Increased  
Erhöht

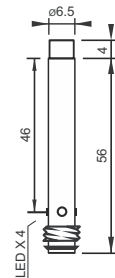


Unshielded  
Nicht bündig

Ø6.5 - 4 mm



Increased  
Erhöht



Housing	Bauform	Ø6.5 mm		Ø6.5 mm		Ø6.5 mm	
Sensing Distance	Schaltabstand	4 mm		4 mm		4 mm	
Operating Voltage	Betriebsspannung	10...30 VDC		10...30 VDC		10...30 VDC	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	1000 Hz		1000 Hz		1000 Hz	
Operating Temperature	Betriebstemperatur	-25...75 °C		-25...75 °C		-25...75 °C	
Protection Class	Schutzklasse	IP67		IP67		IP67	
Sensing Face	Sensorfläche	PBT		PBT		PBT	
Housing	Gehäuse	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl
Connection	Anschluss	PVC, Ultra-Flex		Conn. M8	Stecker M8	Conn. M8	Stecker M8
Switching Indicator	Schaltanzeige	built-in	Integriert	built-in	Integriert	built-in	Integriert
<b>Part Number   Artikelnummer</b>							
PNP, NO		IPSD6-N4PO45-A2P		IPSD6-N4PO45-A8		IPSD6-N4PO60-A8	
PNP, NC		IPSD6-N4PC45-A2P		IPSD6-N4PC45-A8		IPSD6-N4PC60-A8	
PNP, NO+NC							
NPN, NO		IPSD6-N4NO30-A2P		IPSD6-N4NO45-A8		IPSD6-N4NO60-A8	
NPN, NC		IPSD6-N4NC45-A2P		IPSD6-N4NC45-A8		IPSD6-N4NC60-A8	
NPN, NO+NC							

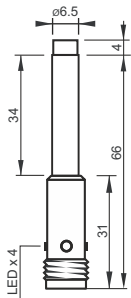


Unshielded  
Nicht bündig

Ø6.5 - 4 mm



Increased  
Erhöht

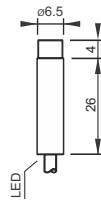


Unshielded  
Nicht bündig

Ø6.5 - 6 mm



Extended  
Erweitert



Unshielded  
Nicht bündig

Ø6.5 - 6 mm



Extended

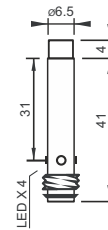


Unshielded  
Nicht bündig

Ø6.5 - 6 mm



Extended  
Erweitert

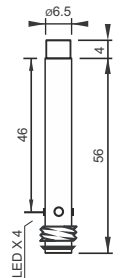


Unshielded  
Nicht bündig

Ø6.5 - 6 mm



Extended  
Erweitert



Ø6.5 mm

4 mm  
10...30 VDC  
200 mA  
1000 Hz  
-25...75 °C  
IP67  
PBT  
Stainless Steel  
Edelstahl  
Conn. M12  
Stecker M12  
built-in  
Integriert

IPSD6-N4PO70-A12  
IPSD6-N4PC70-A12  
  
IPSD6-N4NO70-A12  
IPSD6-N4NC70-A12

Ø6.5 mm

6 mm  
10...30 VDC  
200 mA  
500 Hz  
-25...75 °C  
IP67  
PBT  
Stainless Steel  
Edelstahl  
PVC, Ultra-Flex  
built-in  
Integriert

IPSD6-N6PO30-A2P  
IPSD6-N6P305-A2P  
  
IPSD6-N63045-A2P  
IPSD6-N30C45-A2P

Ø6.5 mm

6 mm  
10...30 VDC  
200 mA  
500 Hz  
-25...75 °C  
IP67  
PBT  
Stainless Steel  
Edelstahl  
PVC, Ultra-Flex  
built-in  
Integriert

IPSD6-N6PO45-A2P  
IPSD6-N6PC45-A2P  
  
IPSD6-N6NO45-A2P  
IPSD6-N6NC45-A2P

Ø6.5 mm

6 mm  
10...30 VDC  
200 mA  
500 Hz  
-25...75 °C  
IP67  
PBT  
Stainless Steel  
Edelstahl  
Conn. M8  
Stecker M8  
built-in  
Integriert

IPSD6-N6PO45-A8  
IPSD6-N6PC45-A8  
  
IPSD6-N6NO45-A8  
IPSD6-N6NC45-A8

Ø6.5 mm

6 mm  
10...30 VDC  
200 mA  
500 Hz  
-25...75 °C  
IP67  
PBT  
Stainless Steel  
Edelstahl  
Conn. M8  
Stecker M8  
built-in  
Integriert

IPSD6-N6PO60-A8  
IPSD6-N6PC60-A8  
  
IPSD6-N6NO60-A8  
IPSD6-N6NC60-A8



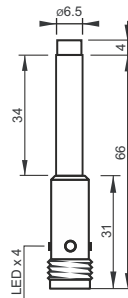
# INDUCTIVE

Unshielded  
Nicht bündig

Ø6.5 - 6 mm



Extended  
Erweitert

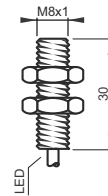


Shielded  
Bündig

M8 - 1 mm



Standard

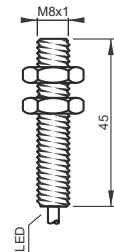


Shielded  
Bündig

M8 - 1 mm



Standard



Housing	Bauform	Ø6.5 mm		M8x1		M8x1	
Sensing Distance	Schaltabstand	6 mm		1 mm		1 mm	
Operating Voltage	Betriebsspannung	10...30 Vdc		10...30 Vdc		10...30 Vdc	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	500 Hz		2000 Hz		2000 Hz	
Operating Temperature	Betriebstemperatur	-25...75 °C		-25...75 °C		-25...75 °C	
Protection Class	Schutzklasse	IP67		IP67		IP67	
Sensing Face	Sensorfläche	PBT		PBT		PBT	
Housing	Gehäuse	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl
Connection	Anschluss	Conn. M12	Stecker M12	PVC, Ultra-Flex		PVC, Ultra-Flex	
Switching Indicator	Schaltanzeige	built-in	Integriert	built-in	Integriert	built-in	Integriert
<b>Part Number   Artikelnummer</b>							
PNP, NO		IPSD6-N6PO70-A12		IPS8-S1PO30-A2P		IPS8-S1PO45-A2P	
PNP, NC		IPSD6-N6PC70-A12		IPS8-S1PC30-A2P		IPS8-S1PC45-A2P	
PNP, NO+NC							
NPN, NO		IPSD6-N6NO70-A12		IPS8-S1NO30-A2P		IPS8-S1NO45-A2P	
NPN, NC		IPSD6-N6NC70-A12		IPS8-S1NC30-A2P		IPS8-S1NC45-A2P	
NPN, NO+NC							



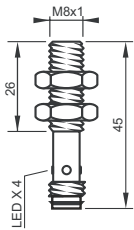


Shielded  
Bündig

**M8 - 1 mm**



Standard

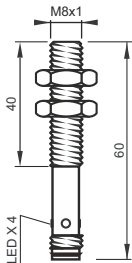


Shielded  
Bündig

**M8 - 1 mm**



Standard

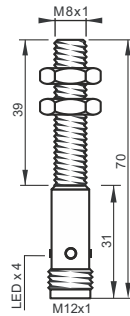


Shielded  
Bündig

**M8 - 1 mm**



Standard

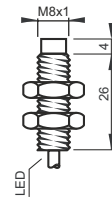


Unshielded  
Nicht bündig

**M8 - 2 mm**



Standard

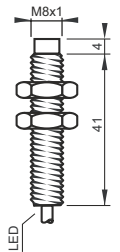


Unshielded  
Nicht bündig

**M8 - 2 mm**



Standard



M8x1		M8x1		M8x1		M8x1		M8x1	
1 mm		1 mm		1 mm		2 mm		2 mm	
10...30 VDC		10...30 VDC		10...30 VDC		10...30 VDC		10...30 VDC	
200 mA		200 mA		200 mA		200 mA		200 mA	
2000 Hz		2000 Hz		2000 Hz		2000 Hz		2000 Hz	
-25...75 °C		-25...75 °C		-25...75 °C		-25...75 °C		-25...75 °C	
IP67		IP67		IP67		IP67		IP67	
PBT		PBT		PBT		PBT		PBT	
Stainless Steel	Edelstahl	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl
Conn. M8	Stecker M8	Conn. M8	Stecker M8	Conn. M12	Stecker M12	PVC, Ultra-Flex		PVC, Ultra-Flex	
built-in	Integriert	built-in	Integriert	built-in	Integriert	built-in	Integriert	built-in	Integriert
IPS8-S1PO45-A8		IPS8-S1PO60-A8		IPS8-S1PO70-A12		IPS8-N2PO30-A2P		IPS8-N2PO45-A2P	
IPS8-S1PC45-A8		IPS8-S1PC60-A8		IPS8-S1PC70-A12		IPS8-N2PC30-A2P		IPS8-N2PC45-A2P	
IPS8-S1NO45-A8		IPS8-S1NO60-A8		IPS8-S1NO70-A12		IPS8-N2NO30-A2P		IPS8-N2NO45-A2P	
IPS8-S1NC45-A8		IPS8-S1NC60-A8		IPS8-S1NC70-A12		IPS8-N2NC30-A2P		IPS8-N2NC45-A2P	



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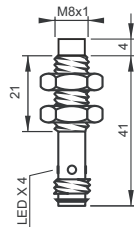
# INDUCTIVE

Unshielded  
Nicht bündig

**M8 - 2 mm**



Standard

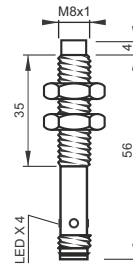


Unshielded  
Nicht bündig

**M8 - 2 mm**



Standard

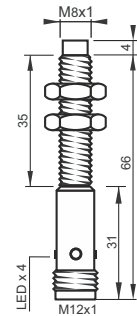


Unshielded  
Nicht bündig

**M8 - 2 mm**



Standard



Housing	Bauform	M8x1		M8x1		M8x1	
Sensing Distance	Schaltabstand	2 mm		2 mm		2 mm	
Operating Voltage	Betriebsspannung	10...30 Vdc		10...30 Vdc		10...30 Vdc	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	2000 Hz		2000 Hz		2000 Hz	
Operating Temperature	Betriebstemperatur	-25...75 °C		-25...75 °C		-25...75 °C	
Protection Class	Schutzklasse	IP67		IP67		IP67	
Sensing Face	Sensorfläche	PBT		PBT		PBT	
Housing	Gehäuse	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl
Connection	Anschluss	Conn. M8	Stecker M8	Conn. M8	Stecker M8	Conn. M12	Stecker M12
Switching Indicator	Schaltanzeige	built-in	Integriert	built-in	Integriert	built-in	Integriert
<b>Part Number   Artikelnummer</b>							
PNP, NO		IPS8-N2PO45-A8		IPS8-N2PO60-A8		IPS8-N2PO70-A12	
PNP, NC		IPS8-N2PC45-A8		IPS8-N2PC60-A8		IPS8-N2PC70-A12	
PNP, NO+NC							
NPN, NO		IPS8-N2NO45-A8		IPS8-N2NO60-A8		IPS8-N2NO70-A12	
NPN, NC		IPS8-N2NC45-A8		IPS8-N2NC60-A8		IPS8-N2NC70-A12	
NPN, NO+NC							

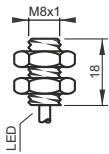


Shielded  
Bündig

**M8 - 2 mm**



Increased  
Erhöht

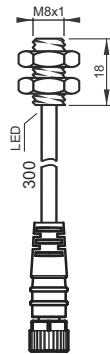


Shielded  
Bündig

**M8 - 2 mm**



Increased  
Erhöht

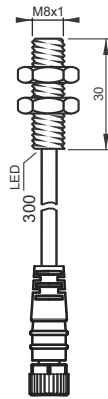


Shielded  
Bündig

**M8 - 2 mm**



Increased  
Erhöht

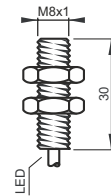


Shielded  
Bündig

**M8 - 2 mm**



Increased  
Erhöht

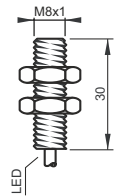


Shielded  
Bündig

**M8 - 2 mm**



Metal Face  
Vollmetall



M8x1		M8x1		M8x1		M8x1		M8x1	
2 mm		2 mm		2 mm		2 mm		2 mm	
10...30 Vdc		10...30 Vdc		10...30 Vdc		10...30 Vdc		10...30 Vdc	
200 mA		200 mA		200 mA		200 mA		200 mA	
2000 Hz		2000 Hz		2000 Hz		2000 Hz		2000 Hz	
-25...75 °C		-25...75 °C		-25...75 °C		-25...75 °C		-25...75 °C	
IP67		IP67		IP67		IP67		IP69k, IP67	
PBT		PBT		PBT		PBT		Stainless Steel	Edelstahl
Stainless Steel	Edelstahl	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl
PVC, Ultra-Flex		300 mm, M8		300 mm, M8		PVC, Ultra-Flex		PVC, Ultra-Flex	
built-in	Integriert	built-in	Integriert	built-in	Integriert	built-in	Integriert	built-in	Integriert
IPS8-S2PO18-A2P		IPS8-S2PO18-3P8		IPS8-S2PO30-3P8		IPS8-S2PO30-A2P		IMF8-S2PO30-A2P	
IPS8-S2PC18-A2P		IPS8-S2PC18-3P8		IPS8-S2PC30-3P8		IPS8-S2PC30-A2P		IMF8-S2PC30-A2P	
				IPS8-S2PCO30-3P8		IPS8-S2PCO30-A2P			
IPS8-S2NO18-A2P		IPS8-S2NO18-3P8		IPS8-S2NO30-3P8		IPS8-S2NO30-A2P		IMF8-S2NO30-A2P	
IPS8-S2NC18-A2P		IPS8-S2NC18-3P8		IPS8-S2NC30-3P8		IPS8-S2NC30-A2P		IMF8-S2NC30-A2P	
				IPS8-S2NCO30-3P8		IPS8-S2NCO30-A2P			



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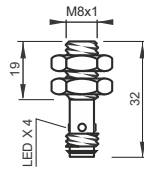
# INDUCTIVE

Shielded Bündig

M8 - 2 mm



Increased Erhöht

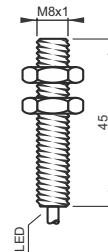


Shielded Bündig

M8 - 2 mm



Increased Erhöht

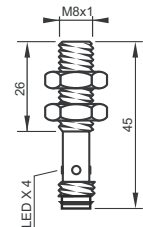


Shielded Bündig

M8 - 2 mm



Increased Erhöht



Housing	Bauform	M8x1	M8x1	M8x1
Sensing Distance	Schaltabstand	2 mm	2 mm	2 mm
Operating Voltage	Betriebsspannung	10...30 VDC	10...30 VDC	10...30 VDC
Current Load Capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA
Switching Frequency	Schaltfrequenz	2000 Hz	2000 Hz	2000 Hz
Operating Temperature	Betriebstemperatur	-25...75 °C	-25...75 °C	-25...75 °C
Protection Class	Schutzklasse	IP67	IP67	IP67
Sensing Face	Sensorfläche	PBT	PBT	PBT
Housing	Gehäuse	Stainless Steel Edelstahl	Stainless Steel Edelstahl	Stainless Steel Edelstahl
Connection	Anschluss	Conn. M8 Stecker M8	PVC, Ultra-Flex	Conn. M8 Stecker M8
Switching Indicator	Schaltanzeige	built-in Integriert	built-in Integriert	built-in Integriert
<b>Part Number   Artikelnummer</b>				
PNP, NO		IPS8-S2PO32-A8	IPS8-S2PO45-A2P	IPS8-S2PO45-A8
PNP, NC		IPS8-S2PC32-A8	IPS8-S2PC45-A2P	IPS8-S2PC45-A8
PNP, NO+NC			IPS8-S2PCO45-A2P	IPS8-S2PCO45-A8
NPN, NO		IPS8-S2NO32-A8	IPS8-S2NO45-A2P	IPS8-S2NO45-A8
NPN, NC		IPS8-S2NC32-A8	IPS8-S2NC45-A2P	IPS8-S2NC45-A8
NPN, NO+NC			IPS8-S2NCO45-A2P	IPS8-S2NCO45-A8

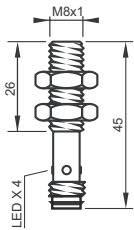


Shielded Bündig

**M8 - 2 mm**



Metal Face Vollmetall

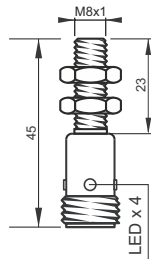


Shielded Bündig

**M8 - 2 mm**



Increased Erhöht

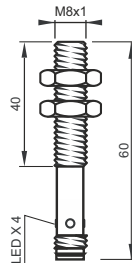


Shielded Bündig

**M8 - 2 mm**



Increased Erhöht

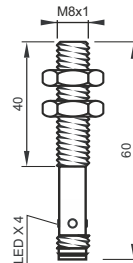


Shielded Bündig

**M8 - 2 mm**



Metal Face Vollmetall

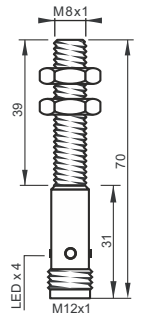


Shielded Bündig

**M8 - 2 mm**



Increased Erhöht



**M8x1**

2 mm  
10...30 VDC  
200 mA  
2000 Hz  
-25...75 °C  
IP69k, IP67  
Stainless Steel Edelstahl  
Stainless Steel Edelstahl  
Conn. M8 Stecker M8  
built-in Integriert

IMF8-S2PO45-A8  
IMF8-S2PC45-A8  
  
IMF8-S2NO45-A8  
IMF8-S2NC45-A8



**M8x1**

2 mm  
10...30 VDC  
200 mA  
2000 Hz  
-25...75 °C  
IP67  
PBT  
Stainless Steel Edelstahl  
Conn. M12 Stecker M12  
built-in Integriert

IPS8-S2PO45-A12  
IPS8-S2PC45-A12  
  
IPS8-S2NO45-A12  
IPS8-S2NC45-A12



**M8x1**

2 mm  
10...30 VDC  
200 mA  
2000 Hz  
-25...75 °C  
IP67  
PBT  
Stainless Steel Edelstahl  
Conn. M8 Stecker M8  
built-in Integriert

IPS8-S2PO60-A8  
IPS8-S2PC60-A8  
IPS8-S2PCO60-A8  
IPS8-S2NO60-A8  
IPS8-S2NC60-A8  
IPS8-S2NCO60-A8



**M8x1**

2 mm  
10...30 VDC  
200 mA  
2000 Hz  
-25...75 °C  
IP69k, IP67  
Stainless Steel Edelstahl  
Stainless Steel Edelstahl  
Conn. M8 Stecker M8  
built-in Integriert

IMF8-S2PO60-A8  
IMF8-S2PC60-A8  
  
IMF8-S2NO60-A8  
IMF8-S2NC60-A8



**M8x1**

2 mm  
10...30 VDC  
200 mA  
2000 Hz  
-25...75 °C  
IP67  
PBT  
Stainless Steel Edelstahl  
Stainless Steel Edelstahl  
Conn. M12 Stecker M12  
built-in Integriert

IPS8-S2PO70-A12  
IPS8-S2PC70-A12  
IPS8-S2PCO70-A12  
IPS8-S2NO70-A12  
IPS8-S2NC70-A12  
IPS8-S2NCO70-A12



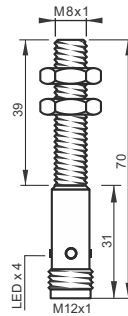
# INDUCTIVE

Shielded  
Bündig

**M8 - 2 mm**



Metal Face  
Vollmetall

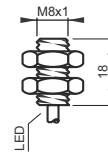


Semi-Shielded  
Quasi bündig

**M8 - 3 mm**



Extended  
Erweitert

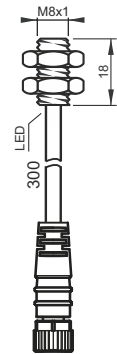


Semi-Shielded  
Quasi bündig

**M8 - 3 mm**



Extended  
Erweitert



Housing	Bauform	M8x1	M8x1	M8x1
Sensing Distance	Schaltabstand	2 mm	3 mm	3 mm
Operating Voltage	Betriebsspannung	10...30 Vdc	10...30 Vdc	10...30 Vdc
Current Load Capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA
Switching Frequency	Schaltfrequenz	2000 Hz	1000 Hz	1000 Hz
Operating Temperature	Betriebstemperatur	-25...75 °C	-25...75 °C	-25...75 °C
Protection Class	Schutzklasse	IP69k, IP67	IP67	IP67
Sensing Face	Sensorfläche	Stainless Steel Edelstahl	PBT	PBT
Housing	Gehäuse	Stainless Steel Edelstahl	Stainless Steel Edelstahl	Stainless Steel Edelstahl
Connection	Anschluss	Conn. M12 Stecker M12	PVC, Ultra-Flex	300 mm, M8
Switching Indicator	Schaltanzeige	built-in Integriert	built-in Integriert	built-in Integriert
<b>Part Number   Artikelnummer</b>				
PNP, NO		IMF8-S2PO70-A12	IPS8-S3PO18-A2P	IPS8-S3PO18-3P8
PNP, NC		IMF8-S2PC70-A12	IPS8-S3PC18-A2P	IPS8-S3PC18-3P8
PNP, NO+NC				
NPN, NO		IMF8-S2NO70-A12	IPS8-S3NO18-A2P	IPS8-S3NO18-3P8
NPN, NC		IMF8-S2NC70-A12	IPS8-S3NC18-A2P	IPS8-S3NC18-3P8
NPN, NO+NC				

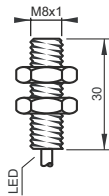


Semi-Shielded  
Quasi bündig

**M8 - 3 mm**



Extended  
Erweitert

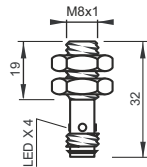


Semi-Shielded  
Quasi bündig

**M8 - 3 mm**



Extended  
Erweitert

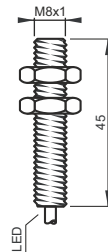


Semi-Shielded  
Quasi bündig

**M8 - 3 mm**



Extended  
Erweitert

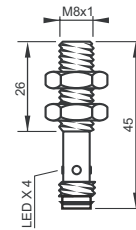


Semi-Shielded  
Quasi bündig

**M8 - 3 mm**



Extended  
Erweitert



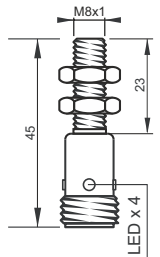
Semi-Shielded  
Quasi bündig

**M8 - 3 mm**

NEW



Extended  
Erweitert



M8x1		M8x1		M8x1		M8x1		M8x1	
3 mm		3 mm		3 mm		3 mm		3 mm	
10...30 V <sub>DC</sub>		10...30 V <sub>DC</sub>		10...30 V <sub>DC</sub>		10...30 V <sub>DC</sub>		10...30 V <sub>DC</sub>	
200 mA		200 mA		200 mA		200 mA		200 mA	
1000 Hz		1000 Hz		1000 Hz		1000 Hz		1000 Hz	
-25...75 °C		-25...75 °C		-25...75 °C		-25...75 °C		-25...75 °C	
IP67		IP67		IP67		IP67		IP67	
PBT		PBT		PBT		PBT		PBT	
Stainless Steel	Edelstahl	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl
PVC, Ultra-Flex		Conn. M8	Stecker M8	PVC, Ultra-Flex		Conn. M8	Stecker M8	Conn. M12	Stecker M12
built-in	Integriert	built-in	Integriert	built-in	Integriert	built-in	Integriert	built-in	Integriert
IPS8-S3PO30-A2P		IPS8-S3PO32-A8		IPS8-S3PO45-A2P		IPS8-S3PO45-A8		IPS8-S3PO45-A12	
IPS8-S3PC30-A2P		IPS8-S3PC32-A8		IPS8-S3PC45-A2P		IPS8-S3PC45-A8		IPS8-S3PC45-A12	
IPS8-S3NO30-A2P		IPS8-S3NO32-A8		IPS8-S3NO45-A2P		IPS8-S3NO45-A8		IPS8-S3NO45-A12	
IPS8-S3NC30-A2P		IPS8-S3NC32-A8		IPS8-S3NC45-A2P		IPS8-S3NC45-A8		IPS8-S3NC45-A12	



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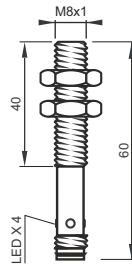
# INDUCTIVE

Semi-Shielded  
Quasi bündig

**M8 - 3 mm**



Extended  
Erweitert

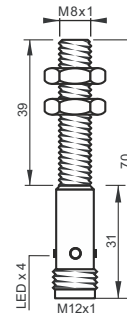


Semi-Shielded  
Quasi bündig

**M8 - 3 mm**



Extended  
Erweitert



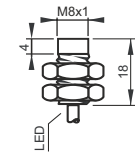
Unshielded  
Nicht bündig

**M8 - 4 mm**

NEW



Increased  
Erhöht



Housing	Bauform	M8x1		M8x1		M8x1	
Sensing Distance	Schaltabstand	3 mm		3 mm		4 mm	
Operating Voltage	Betriebsspannung	10...30 VDC		10...30 VDC		10...30 VDC	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	1000 Hz		1000 Hz		1000 Hz	
Operating Temperature	Betriebstemperatur	-25...75 °C		-25...75 °C		-25...75 °C	
Protection Class	Schutzklasse	IP67		IP67		IP67	
Sensing Face	Sensorfläche	PBT		PBT		PBT	
Housing	Gehäuse	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl
Connection	Anschluss	Conn. M8	Stecker M8	Conn. M12	Stecker M12	PVC, Ultra-Flex	
Switching Indicator	Schaltanzeige	built-in	Integriert	built-in	Integriert	built-in	Integriert
<b>Part Number   Artikelnummer</b>							
PNP, NO		IPS8-S3PO60-A8		IPS8-S3PO70-A12		IPS8-N4PO18-A2P	
PNP, NC		IPS8-S3PC60-A8		IPS8-S3PC70-A12		IPS8-N4PC18-A2P	
PNP, NO+NC							
NPN, NO		IPS8-S3NO60-A8		IPS8-S3NO70-A12		IPS8-N4NO18-A2P	
NPN, NC		IPS8-S3NC60-A8		IPS8-S3NC70-A12		IPS8-N4NC18-A2P	
NPN, NO+NC							





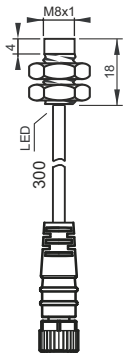
Unshielded  
Nicht bündig

**M8 - 4 mm**

NEW



Increased  
Erhöht

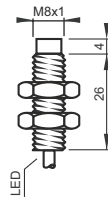


Unshielded  
Nicht bündig

**M8 - 4 mm**



Increased  
Erhöht

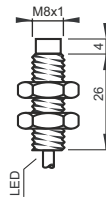


Unshielded  
Nicht bündig

**M8 - 3.5 mm**



Metal Face  
Vollmetall

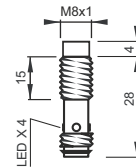


Unshielded  
Nicht bündig

**M8 - 4 mm**



Increased  
Erhöht

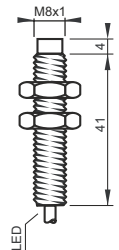


Unshielded  
Nicht bündig

**M8 - 4 mm**



Increased  
Erhöht



M8x1		M8x1		M8x1		M8x1		M8x1	
4 mm		4 mm		3.5 mm		4 mm		4 mm	
10...30 VDC		10...30 VDC		10...30 VDC		10...30 VDC		10...30 VDC	
200 mA		200 mA		200 mA		200 mA		200 mA	
1000 Hz		1000 Hz		1000 Hz		2000 Hz		1000 Hz	
-25...75 °C		-25...75 °C		-25...75 °C		-25...75 °C		-25...75 °C	
IP67		IP67		IP69k, IP67		IP67		IP67	
PBT		PBT		Stainless Steel Edelmetall		PBT		PBT	
Stainless Steel Edelmetall		Stainless Steel Edelmetall		Stainless Steel Edelmetall		Stainless Steel Edelmetall		Stainless Steel Edelmetall	
300 mm, M8		PVC, Ultra-Flex		PVC, Ultra-Flex		Conn. M8 Stecker M8		PVC, Ultra-Flex	
built-in Integriert		built-in Integriert		built-in Integriert		built-in Integriert		built-in Integriert	
IPS8-N4PO18-3P8		IPS8-N4PO30-A2P		IMF8-N4PO30-A2P		IPS8-N4PO32-A8		IPS8-N4PO45-A2P	
IPS8-N4PC18-3P8		IPS8-N4PC30-A2P		IMF8-N4PC30-A2P		IPS8-N4PC32-A8		IPS8-N4PC45-A2P	
IPS8-N4NO18-3P8		IPS8-N4NO30-A2P		IMF8-N4NO30-A2P		IPS8-N4NO32-A8		IPS8-N4NO45-A2P	
IPS8-N4NC18-3P8		IPS8-N4NC30-A2P		IMF8-N4NC30-A2P		IPS8-N4NC32-A8		IPS8-N4NC45-A2P	



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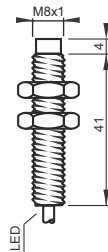
# INDUCTIVE

Unshielded  
Nicht bündig

**M8 - 3.5 mm**



Metal Face  
Vollmetall

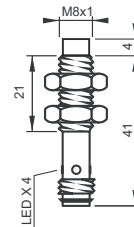


Unshielded  
Nicht bündig

**M8 - 4 mm**



Increased  
Erhöht

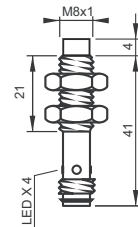


Unshielded  
Nicht bündig

**M8 - 3.5 mm**



Metal Face  
Vollmetall



Housing	Bauform	M8x1	M8x1	M8x1
Sensing Distance	Schaltabstand	3.5 mm	4 mm	3.5 mm
Operating Voltage	Betriebsspannung	10...30 Vdc	10...30 Vdc	10...30 Vdc
Current Load Capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA
Switching Frequency	Schaltfrequenz	1000 Hz	1000 Hz	1000 Hz
Operating Temperature	Betriebstemperatur	-25...75 °C	-25...75 °C	-25...75 °C
Protection Class	Schutzklasse	IP69k, IP67	IP67	IP69k, IP67
Sensing Face	Sensorfläche	Stainless Steel Edelstahl	PBT	Stainless Steel Edelstahl
Housing	Gehäuse	Stainless Steel Edelstahl	Stainless Steel Edelstahl	Stainless Steel Edelstahl
Connection	Anschluss	PVC, Ultra-Flex	Conn. M8 Stecker M8	Conn. M8 Stecker M8
Switching Indicator	Schaltanzeige	built-in Integriert	built-in Integriert	built-in Integriert
<b>Part Number   Artikelnummer</b>				
PNP, NO		IMF8-N4PO45-A2P	IPS8-N4PO45-A8	IMF8-N4PO45-A8
PNP, NC		IMF8-N4PC45-A2P	IPS8-N4PC45-A8	IMF8-N4PC45-A8
PNP, NO+NC				
NPN, NO		IMF8-N4NO45-A2P	IPS8-N4NO45-A8	IMF8-N4NO45-A8
NPN, NC		IMF8-N4NC45-A2P	IPS8-N4NC45-A8	IMF8-N4NC45-A8
NPN, NO+NC				

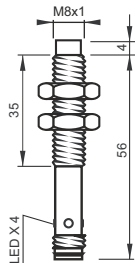


Unshielded  
Nicht bündig

**M8 - 4 mm**



Increased  
Erhöht

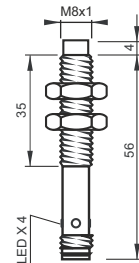


Unshielded  
Nicht bündig

**M8 - 3.5 mm**



Metal Face  
Vollmetall

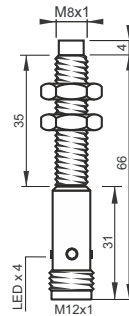


Unshielded  
Nicht bündig

**M8 - 4 mm**



Increased  
Erhöht

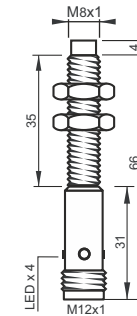


Unshielded  
Nicht bündig

**M8 - 3.5 mm**



Metal Face  
Vollmetall



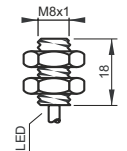
Semi-Shielded  
Quasi bündig

**M8 - 4 mm**

NEW



Performance  
Hochleistung



M8x1		M8x1		M8x1		M8x1		M8x1	
4 mm		3.5 mm		4 mm		3.5 mm		4 mm	
10...30 VDC		10...30 VDC		10...30 VDC		10...30 VDC		10...30 VDC	
200 mA		200 mA		200 mA		200 mA		200 mA	
1000 Hz		1000 Hz		1000 Hz		1000 Hz		500 Hz	
-25...75 °C		-25...75 °C		-25...75 °C		-25...75 °C		-25...75 °C	
IP67		IP69k, IP67		IP67		IP69k, IP67		IP67	
PBT		Stainless Steel	Edelstahl	PBT		Stainless Steel	Edelstahl	PBT	
Stainless Steel	Edelstahl	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl	Brass	Messing
Conn. M8	Stecker M8	Conn. M8	Stecker M8	Conn. M12	Stecker M12	Conn. M12	Stecker M12	PVC, Ultra-Flex	
built-in	Integriert	built-in	Integriert	built-in	Integriert	built-in	Integriert	built-in	Integriert
IPS8-N4PO60-A8		IMF8-N4PO60-A8		IPS8-N4PO70-A12		IMF8-N4PO70-A12		IPS8-S4PO18-A2P	
IPS8-N4PC60-A8		IMF8-N4PC60-A8		IPS8-N4PC70-A12		IMF8-N4PC70-A12		IPS8-S4PC18-A2P	
IPS8-N4NO60-A8		IMF8-N4NO60-A8		IPS8-N4NO70-A12		IMF8-N4NO70-A12		IPS8-S4NO18-A2P	
IPS8-N4NC60-A8		IMF8-N4NC60-A8		IPS8-N4NC70-A12		IMF8-N4NC70-A12		IPS8-S4NC18-A2P	



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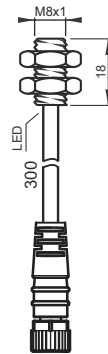
# INDUCTIVE

Semi-Shielded  
Quasi bündig

**M8 - 4 mm**



Performance  
Hochleistung

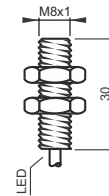


Semi-Shielded  
Quasi bündig

**M8 - 4 mm**



Performance  
Hochleistung



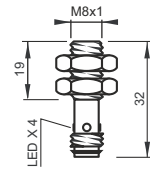
Semi-Shielded  
Quasi bündig

**M8 - 4 mm**

**NEW**



Performance  
Hochleistung



Housing	Bauform	M8x1		M8x1		M8x1	
Sensing Distance	Schaltabstand	4 mm		4 mm		4 mm	
Operating Voltage	Betriebsspannung	10...30 VDC		10...30 VDC		10...30 VDC	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	500 Hz		500 Hz		500 Hz	
Operating Temperature	Betriebstemperatur	-25...75 °C		-25...75 °C		-25...75 °C	
Protection Class	Schutzklasse	IP67		IP67		IP67	
Sensing Face	Sensorfläche	PBT		PBT		PBT	
Housing	Gehäuse	Brass	Messing	Brass	Messing	Brass	Messing
Connection	Anschluss	300 mm, M8		PVC, Ultra-Flex		Conn. M8	Stecker M8
Switching Indicator	Schaltanzeige	built-in	Integriert	built-in	Integriert	built-in	Integriert
<b>Part Number   Artikelnummer</b>							
PNP, NO		IPS8-S4PO18-3P8		IPS8-S4PO30-A2P		IPS8-S4PO32-A8	
PNP, NC		IPS8-S4PC18-3P8		IPS8-S4PC30-A2P		IPS8-S4PC32-A8	
PNP, NO+NC							
NPN, NO		IPS8-S4NO18-3P8		IPS8-S4NO30-A2P		IPS8-S4NO32-A8	
NPN, NC		IPS8-S4NC18-3P8		IPS8-S4NC30-A2P		IPS8-S4NC32-A8	
NPN, NO+NC							

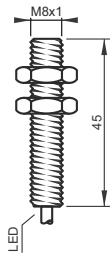


Semi-Shielded  
Quasi bündig

**M8 - 4 mm**



Performance  
Hochleistung

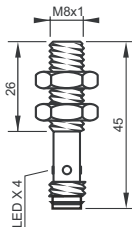


Semi-Shielded  
Quasi bündig

**M8 - 4 mm**



Performance  
Hochleistung



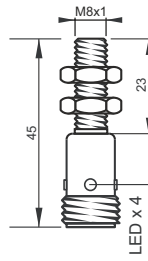
Semi-Shielded  
Quasi bündig

**M8 - 4 mm**

NEW



Performance  
Hochleistung

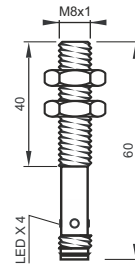


Semi-Shielded  
Quasi bündig

**M8 - 4 mm**



Performance  
Hochleistung

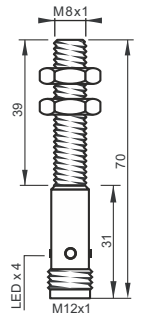


Semi-Shielded  
Quasi bündig

**M8 - 4 mm**



Performance  
Hochleistung



M8x1		M8x1		M8x1		M8x1		M8x1	
4 mm		4 mm		4 mm		4 mm		4 mm	
10...30 VDC		10...30 VDC		10...30 VDC		10...30 VDC		10...30 VDC	
200 mA		200 mA		200 mA		200 mA		200 mA	
500 Hz		500 Hz		500 Hz		500 Hz		500 Hz	
-25...75 °C		-25...75 °C		-25...75 °C		-25...75 °C		-25...75 °C	
IP67		IP67		IP67		IP67		IP67	
PBT		PBT		PBT		PBT		PBT	
Brass	Messing	Brass	Messing	Brass	Messing	Brass	Messing	Brass	Messing
PVC, Ultra-Flex		Conn. M8	Stecker M8	Conn. M12	Stecker M12	Conn. M8	Stecker M8	Conn. M12	Stecker M12
built-in	Integriert	built-in	Integriert	built-in	Integriert	built-in	Integriert	built-in	Integriert
IPS8-S4PO45-A2P		IPS8-S4PO45-A8		IPS8-S4PO45-A12		IPS8-S4PO60-A8		IPS8-S4PO70-A12	
IPS8-S4PC45-A2P		IPS8-S4PC45-A8		IPS8-S4PC45-A12		IPS8-S4PC60-A8		IPS8-S4PC70-A12	
IPS8-S4NO45-A2P		IPS8-S4NO45-A8		IPS8-S4NO45-A12		IPS8-S4NO60-A8		IPS8-S4NO70-A12	
IPS8-S4NC45-A2P		IPS8-S4NC45-A8		IPS8-S4NC45-A12		IPS8-S4NC60-A8		IPS8-S4NC70-A12	



XECRO reserves the right to make minor changes without prior notification.  
XECRO behält sich das Recht vor, geringfügige Anpassungen jederzeit durchzuführen.

# INDUCTIVE

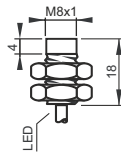
Unshielded  
Nicht bündig

**M8 - 6 mm**

NEW



Extended  
Erweitert

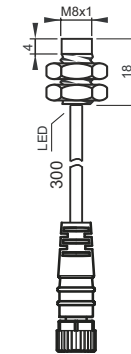


Unshielded  
Nicht bündig

**M8 - 6 mm**



Extended  
Erweitert

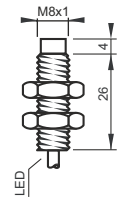


Unshielded  
Nicht bündig

**M8 - 6 mm**



Extended  
Erweitert



Housing	Bauform	M8x1		M8x1		M8x1	
Sensing Distance	Schaltabstand	6 mm		6 mm		6 mm	
Operating Voltage	Betriebsspannung	10...30 Vdc		10...30 Vdc		10...30 Vdc	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	500 Hz		500 Hz		500 Hz	
Operating Temperature	Betriebstemperatur	-25...75 °C		-25...75 °C		-25...75 °C	
Protection Class	Schutzklasse	IP67		IP67		IP67	
Sensing Face	Sensorfläche	PBT		PBT		PBT	
Housing	Gehäuse	Brass	Messing	Brass	Messing	Brass	Messing
Connection	Anschluss	PVC, Ultra-Flex		300 mm, M8		PVC, Ultra-Flex	
Switching Indicator	Schaltanzeige	built-in	Integriert	built-in	Integriert	built-in	Integriert
<b>Part Number   Artikelnummer</b>							
PNP, NO		IPS8-N6PO18-A2P		IPS8-N6PO18-3P8		IPS8-N6PO30-A2P	
PNP, NC		IPS8-N6PC18-A2P		IPS8-N6PC18-3P8		IPS8-N6PC30-A2P	
PNP, NO+NC							
NPN, NO		IPS8-N6NO18-A2P		IPS8-N6NO18-3P8		IPS8-N6NO30-A2P	
NPN, NC		IPS8-N6NC18-A2P		IPS8-N6NC18-3P8		IPS8-N6NC30-A2P	
NPN, NO+NC							



Unshielded  
Nicht bündig

**M8 - 6 mm**

NEW



Unshielded  
Nicht bündig

**M8 - 6 mm**



Unshielded  
Nicht bündig

**M8 - 6 mm**



Unshielded  
Nicht bündig

**M8 - 6 mm**

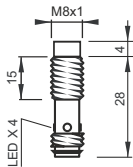


Unshielded  
Nicht bündig

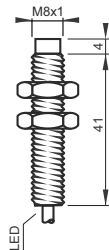
**M8 - 6 mm**



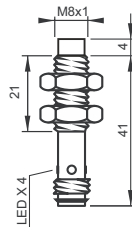
Extended  
Erweitert



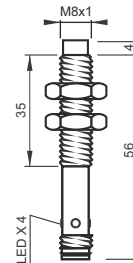
Extended  
Erweitert



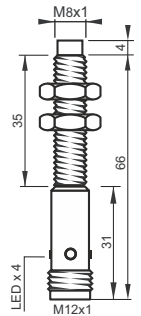
Extended  
Erweitert



Extended  
Erweitert



Extended  
Erweitert



M8x1		M8x1		M8x1		M8x1		M8x1	
6 mm		6 mm		6 mm		6 mm		6 mm	
10...30 VDC		10...30 VDC		10...30 VDC		10...30 VDC		10...30 VDC	
200 mA		200 mA		200 mA		200 mA		200 mA	
500 Hz		500 Hz		500 Hz		500 Hz		500 Hz	
-25...75 °C		-25...75 °C		-25...75 °C		-25...75 °C		-25...75 °C	
IP67		IP67		IP67		IP67		IP67	
PBT		PBT		PBT		PBT		PBT	
Brass	Messing	Brass	Messing	Brass	Messing	Brass	Messing	Brass	Messing
Conn. M8	Stecker M8	PVC, Ultra-Flex		Conn. M8	Stecker M8	Conn. M8	Stecker M8	Conn. M12	Stecker M12
built-in	Integriert	built-in	Integriert	built-in	Integriert	built-in	Integriert	built-in	Integriert
IPS8-N6PO32-A8		IPS8-N6PO45-A2P		IPS8-N6PO45-A8		IPS8-N6PO60-A8		IPS8-N6PO70-A12	
IPS8-N6PC32-A8		IPS8-N6PC45-A2P		IPS8-N6PC45-A8		IPS8-N6PC60-A8		IPS8-N6PC70-A12	
IPS8-N6NO32-A8		IPS8-N6NO45-A2P		IPS8-N6NO45-A8		IPS8-N6NO60-A8		IPS8-N6NO70-A12	
IPS8-N6NC32-A8		IPS8-N6NC45-A2P		IPS8-N6NC45-A8		IPS8-N6NC60-A8		IPS8-N6NC70-A12	



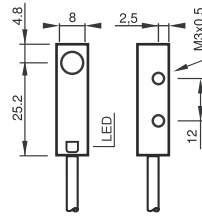
# INDUCTIVE

Shielded  
Bündig

8x8 - 2 mm



Increased  
Erhöht

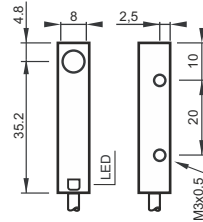


Shielded  
Bündig

8x8 - 2 mm



Increased  
Erhöht

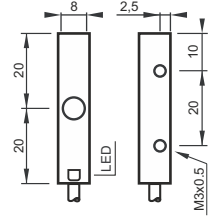


Shielded  
Bündig

8x8 - 2 mm



Increased  
Erhöht



Housing	Bauform	8 x 8		8 x 8		8 x 8	
Sensing Distance	Schaltabstand	2 mm		2 mm		2 mm	
Operating Voltage	Betriebsspannung	10...30 VDC		10...30 VDC		10...30 VDC	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	1000 Hz		1000 Hz		1000 Hz	
Operating Temperature	Betriebstemperatur	-25...75 °C		-25...75 °C		-25...75 °C	
Protection Class	Schutzklasse	IP67		IP67		IP67	
Sensing Face	Sensorfläche	PBT		PBT		PBT	
Housing	Gehäuse	Brass	Messing	Brass	Messing	Brass	Messing
Connection	Anschluss	PVC, Ultra-Flex		PVC, Ultra-Flex		PVC, Ultra-Flex	
Switching Indicator	Schaltanzeige	built-in	Integriert	built-in	Integriert	built-in	Integriert
<b>Part Number   Artikelnummer</b>							
PNP, NO		IPS88-S2PO30-A2P		IPS88-S2PO40-A2P		IPS88-S2PO40C-A2P	
PNP, NC		IPS88-S2PC30-A2P		IPS88-S2PC40-A2P		IPS88-S2PC40C-A2P	
PNP, NO+NC							
NPN, NO		IPS88-S2NO30-A2P		IPS88-S2NO40-A2P		IPS88-S2NO40C-A2P	
NPN, NC		IPS88-S2NC30-A2P		IPS88-S2NC40-A2P		IPS88-S2NC40C-A2P	
NPN, NO+NC							





Shielded Bündig  
**8x8 - 2 mm**



Shielded Bündig  
**8x8 - 2 mm**



Shielded Bündig  
**8x8 - 3 mm**



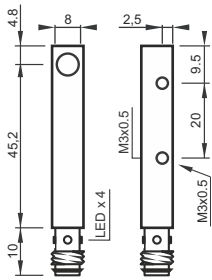
Shielded Bündig  
**8x8 - 3 mm**



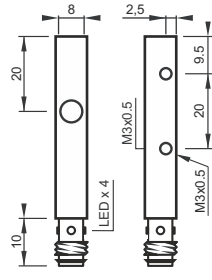
Shielded Bündig  
**8x8 - 3 mm**



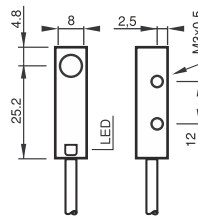
Increased Erhöht



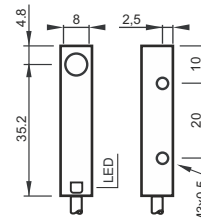
Increased Erhöht



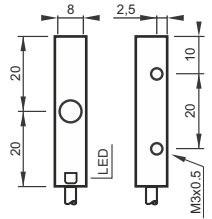
Extended Erweitert



Extended Erweitert



Extended Erweitert



**8 x 8**

2 mm  
10...30 VDC  
200 mA  
1000 Hz  
-25...75 °C  
IP67  
PBT  
Brass  
Conn. M8  
built-in

Messing  
Stecker M8  
Integriert

**8 x 8**

2 mm  
10...30 VDC  
200 mA  
1000 Hz  
-25...75 °C  
IP67  
PBT  
Brass  
Conn. M8  
built-in

Messing  
Stecker M8  
Integriert

**8 x 8**

3 mm  
10...30 VDC  
200 mA  
1000 Hz  
-25...75 °C  
IP67  
PBT  
Brass  
PVC, Ultra-Flex  
built-in

Messing  
Stecker M8  
Integriert

**8 x 8**

3 mm  
10...30 VDC  
200 mA  
1000 Hz  
-25...75 °C  
IP67  
PBT  
Brass  
PVC, Ultra-Flex  
built-in

Messing  
Stecker M8  
Integriert

**8 x 8**

3 mm  
10...30 VDC  
200 mA  
1000 Hz  
-25...75 °C  
IP67  
PBT  
Brass  
PVC, Ultra-Flex  
built-in

Messing  
Stecker M8  
Integriert

IPS88-S2PO60-A8  
IPS88-S2PC60-A8

IPS88-S2PO60C-A8  
IPS88-S2PC60C-A8

IPS88-S3PO30-A2P  
IPS88-S3PC30-A2P

IPS88-S3PO40-A2P  
IPS88-S3PC40-A2P

IPS88-S3PO40C-A2P  
IPS88-S3PC40C-A2P

IPS88-S2NO60-A8  
IPS88-S2NC60-A8

IPS88-S2NO60C-A8  
IPS88-S2NC60C-A8

IPS88-S3NO30-A2P  
IPS88-S3NC30-A2P

IPS88-S3NO40-A2P  
IPS88-S3NC40-A2P

IPS88-S3NO40C-A2P  
IPS88-S3NC40C-A2P



# INDUCTIVE

Shielded Bündig

8x8 - 3 mm



Shielded Bündig

8x8 - 3 mm



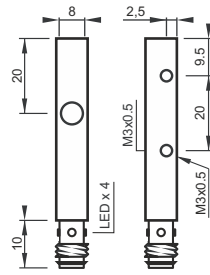
Shielded Bündig

M12 - 1 mm

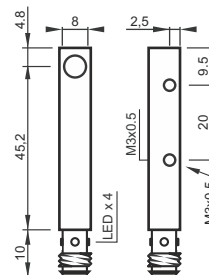
NEW



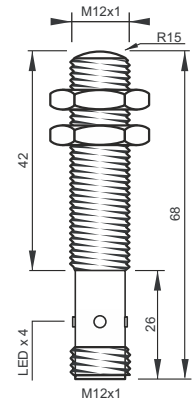
Extended Erweitert



Extended Erweitert



ULTRA Metal Face  
ULTRA Vollmetall



Housing	Bauform	8 x 8		8 x 8		M12x1	
Sensing Distance	Schaltabstand	3 mm		3mm		)* 1 mm	
Operating Voltage	Betriebsspannung	10...30 Vdc		10...30 Vdc		10...30 Vdc	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	1000 Hz		1000 Hz		500 Hz	
Operating Temperature	Betriebstemperatur	-25...75 °C		-25...75 °C		-25...75 °C	
Protection Class	Schutzklasse	IP67		IP67		IP69k, IP67	
Sensing Face	Sensorfläche	PBT		PBT		3 mm Stainless 3 mm Edelstahl	
Housing	Gehäuse	Brass	Messing	Brass	Messing	Stainless Steel	Edelstahl
Connection	Anschluss	Conn. M8	Stecker M8	Conn. M8	Stecker M8	Conn. M12	Stecker M12
Switching Indicator	Schaltanzeige	built-in	Integriert	built-in	Integriert	built-in	Integriert
<b>Part Number   Artikelnummer</b>							
PNP, NO		IPS88-S3PO60C-A8		IPS88-S3PO60-A8		IUF12-S1PO68-A12	
PNP, NC		IPS88-S3PC60C-A8		IPS88-S3PC60-A8		IUF12-S1PC68-A12	
PNP, NO+NC							
NPN, NO		IPS88-S3NO60C-A8		IPS88-S3NO60-A8		IUF12-S1NO68-A12	
NPN, NC		IPS88-S3NC60C-A8		IPS88-S3NC60-A8		IUF12-S1NC68-A12	
NPN, NO+NC							



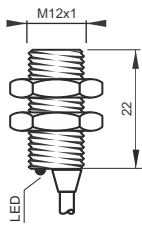
IUF12 – highest precision when used as mechanical end stop.  
IUF12 – höchste Genauigkeit durch Verwendung als mechanischer Endanschlag.

Shielded  
Bündig  
**M12 - 2 mm**

NEW



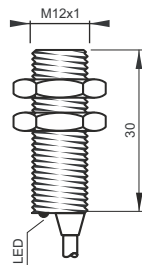
Standard



Shielded  
Bündig  
**M12 - 2 mm**



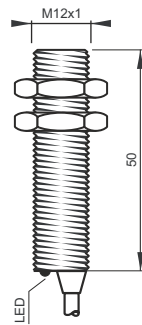
Standard



Shielded  
Bündig  
**M12 - 2 mm**



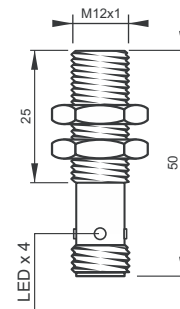
Standard



Shielded  
Bündig  
**M12 - 2 mm**



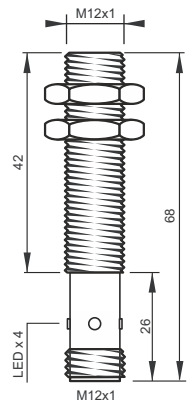
Standard



Shielded  
Bündig  
**M12 - 2 mm**



Standard



**M12x1**

2 mm  
10...30 VDC  
200 mA  
2000 Hz  
-25...75 °C  
IP67  
PBT  
Brass Messing  
PVC, Ultra-Flex  
built-in Integriert

IPS12-S2PO22-A2P  
IPS12-S2PC22-A2P

**M12x1**

2 mm  
10...30 VDC  
200 mA  
2000 Hz  
-25...75 °C  
IP67  
PBT  
Brass Messing  
PVC, Ultra-Flex  
built-in Integriert

IPS12-S2PO30-A2P  
IPS12-S2PC30-A2P

**M12x1**

2 mm  
10...30 VDC  
200 mA  
2000 Hz  
-25...75 °C  
IP67  
PBT  
Brass Messing  
PVC, Ultra-Flex  
built-in Integriert

IPS12-S2PO50-A2P  
IPS12-S2PC50-A2P

**M12x1**

2 mm  
10...30 VDC  
200 mA  
2000 Hz  
-25...75 °C  
IP67  
PBT  
Brass Messing  
Conn. M12 Stecker M12  
built-in Integriert

IPS12-S2PO50-A12  
IPS12-S2PC50-A12

**M12x1**

2 mm  
10...30 VDC  
200 mA  
2000 Hz  
-25...75 °C  
IP67  
PBT  
Brass Messing  
Conn. M12 Stecker M12  
built-in Integriert

IPS12-S2PO68-A12  
IPS12-S2PC68-A12



XECRO reserves the right to make minor changes without prior notification.  
XECRO behält sich das Recht vor, geringfügige Anpassungen jederzeit durchzuführen.

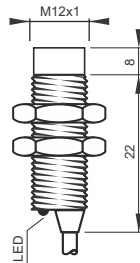
# INDUCTIVE

Unshielded  
Nicht bündig

**M12 - 4 mm**



Standard

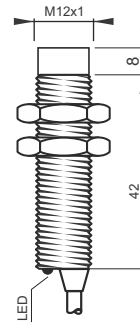


Unshielded  
Nicht bündig

**M12 - 4 mm**



Standard

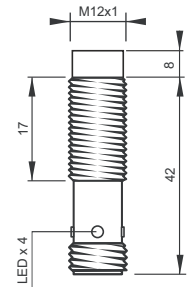


Unshielded  
Nicht bündig

**M12 - 4 mm**



Standard



Housing	Bauform	M12x1		M12x1		M12x1	
Sensing Distance	Schaltabstand	4 mm		4 mm		4 mm	
Operating Voltage	Betriebsspannung	10...30 Vdc		10...30 Vdc		10...30 Vdc	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	1000 Hz		1000 Hz		1000 Hz	
Operating Temperature	Betriebstemperatur	-25...75 °C		-25...75 °C		-25...75 °C	
Protection Class	Schutzklasse	IP67		IP67		IP67	
Sensing Face	Sensorfläche	PBT		PBT		PBT	
Housing	Gehäuse	Brass	Messing	Brass	Messing	Brass	Messing
Connection	Anschluss	PVC, Ultra-Flex		PVC, Ultra-Flex		Conn. M12	Stecker M12
Switching Indicator	Schaltanzeige	built-in	Integriert	built-in	Integriert	built-in	Integriert
<b>Part Number   Artikelnummer</b>							
PNP, NO		IPS12-N4PO30-A2P		IPS12-N4PO50-A2P		IPS12-N4PO50-A12	
PNP, NC		IPS12-N4PC30-A2P		IPS12-N4PC50-A2P		IPS12-N4PC50-A12	
PNP, NO+NC							
NPN, NO		IPS12-N4NO30-A2P		IPS12-N4NO50-A2P		IPS12-N4NO50-A12	
NPN, NC		IPS12-N4NC30-A2P		IPS12-N4NC50-A2P		IPS12-N4NC50-A12	
NPN, NO+NC							



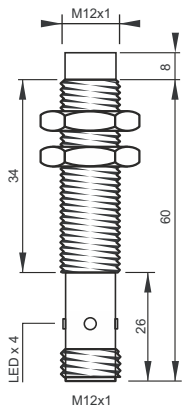
Unshielded  
Nicht bündig

**M12 - 4 mm**

NEW



Standard



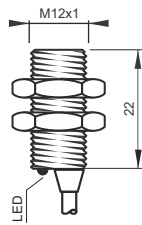
Shielded  
Bündig

**M12 - 4 mm**

NEW



Increased  
Erhöht

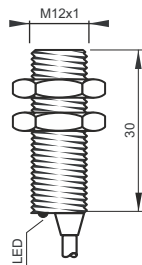


Shielded  
Bündig

**M12 - 4 mm**



Increased  
Erhöht



Shielded  
Bündig

**M12 - 4 mm**



Metal Face  
Vollmetall



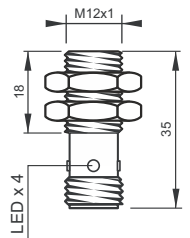
Shielded  
Bündig

**M12 - 4 mm**

NEW



Increased  
Erhöht



M12x1		M12x1		M12x1		M12x1		M12x1	
4 mm		4 mm		4 mm		4 mm		4 mm	
10...30 VDC		10...30 VDC		10...30 VDC		10...30 VDC		10...30 VDC	
200 mA		200 mA		200 mA		200 mA		200 mA	
1000 Hz		1000 Hz		1000 Hz		1000 Hz		1000 Hz	
-25...75 °C		-25...75 °C		-25...75 °C		-25...75 °C		-25...75 °C	
IP67		IP67		IP67		IP69k, IP67		IP67	
PBT		PBT		PBT		Stainless Steel Edelstahl		PBT	
Brass	Messing	Brass	Messing	Brass	Messing	Stainless Steel	Edelstahl	Brass	Messing
Conn. M12	Stecker M12	PVC, Ultra-Flex		PVC, Ultra-Flex		PVC, Ultra-Flex		Conn. M12	Stecker M12
built-in	Integriert	built-in	Integriert	built-in	Integriert	built-in	Integriert	built-in	Integriert
IPS12-N4PO68-A12		IPS12-S4PO22-A2P		IPS12-S4PO30-A2P		IMF12-S4PO30-A2P		IPS12-S4PO35-A12	
IPS12-N4PC68-A12		IPS12-S4PC22-A2P		IPS12-S4PC30-A2P		IMF12-S4PC30-A2P		IPS12-S4PC35-A12	
				IPS12-S4PCO30-A2P				IPS12-S4PCO35-A12	
IPS12-N4NO68-A12		IPS12-S4NO22-A2P		IPS12-S4NO30-A2P		IMF12-S4NO30-A2P		IPS12-S4NO35-A12	
IPS12-N4NC68-A12		IPS12-S4NC22-A2P		IPS12-S4NC30-A2P		IMF12-S4NC30-A2P		IPS12-S4NC35-A12	
				IPS12-S4NCO30-A2P				IPS12-S4NCO35-A12	



XECRO reserves the right to make minor changes without prior notification.  
XECRO behält sich das Recht vor, geringfügige Anpassungen jederzeit durchzuführen.

# INDUCTIVE

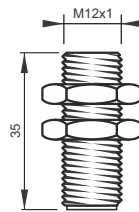
Shielded Bündig

M12 - 4 mm

NEW



Increased Erhöht

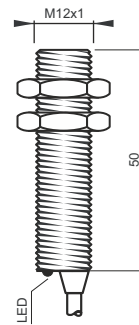


Shielded Bündig

M12 - 4 mm



Increased Erhöht

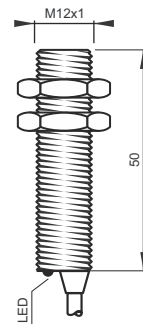


Shielded Bündig

M12 - 4 mm



Metal Face Vollmetall



Housing	Bauform	M12x1		M12x1		M12x1	
Sensing Distance	Schaltabstand	4 mm		4 mm		4 mm	
Operating Voltage	Betriebsspannung	10...30 VDC		10...30 VDC		10...30 VDC	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	1000 Hz		1000 Hz		1000 Hz	
Operating Temperature	Betriebstemperatur	-25...75 °C		-25...75 °C		-25...75 °C	
Protection Class	Schutzklasse	IP67		IP67		IP69k, IP67	
Sensing Face	Sensorfläche	PBT		PBT		Stainless Steel Edelstahl	
Housing	Gehäuse	Brass	Messing	Brass	Messing	Stainless Steel	Edelstahl
Connection	Anschluss	Conn. M12	Stecker M12	PVC, Ultra-Flex		PVC, Ultra-Flex	
Switching Indicator	Schaltanzeige	built-in	Integriert	built-in	Integriert	built-in	Integriert

**Part Number | Artikelnummer**

PNP, NO		IPS12-S4PO35-N12	IPS12-S4PO50-A2P	IMF12-S4PO50-A2P
PNP, NC		IPS12-S4PC35-N12	IPS12-S4PC50-A2P	IMF12-S4PC50-A2P
PNP, NO+NC		IPS12-S4PCO35-N12	IPS12-S4PCO50-A2P	
NPN, NO		IPS12-S4NO35-N12	IPS12-S4NO50-A2P	IMF12-S4NO50-A2P
NPN, NC		IPS12-S4NC35-N12	IPS12-S4NC50-A2P	IMF12-S4NC50-A2P
NPN, NO+NC		IPS12-S4NCO35-N12	IPS12-S4NCO50-A2P	

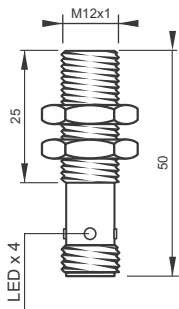


Shielded  
Bündig

**M12 - 4 mm**



Increased  
Erhöht

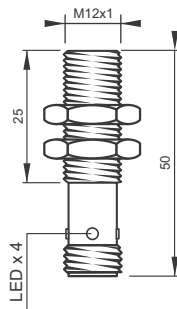


Shielded  
Bündig

**M12 - 4 mm**



Metal Face  
Vollmetall

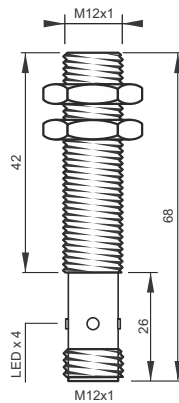


Shielded  
Bündig

**M12 - 4 mm**



Increased  
Erhöht

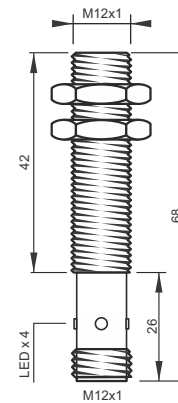


Shielded  
Bündig

**M12 - 4 mm**



Metal Face  
Vollmetall

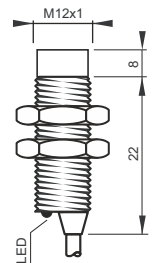


Unshielded  
Nicht bündig

**M12 - 6 mm**



Metal Face  
Vollmetall



M12x1		M12x1		M12x1		M12x1		M12x1	
4 mm		4 mm		4 mm		4 mm		6 mm	
10...30 VDC		10...30 VDC		10...30 VDC		10...30 VDC		10...30 VDC	
200 mA		200 mA		200 mA		200 mA		200 mA	
1000 Hz		1000 Hz		1000 Hz		1000 Hz		700 Hz	
-25...75 °C		-25...75 °C		-25...75 °C		-25...75 °C		-25...75 °C	
IP67		IP69k, IP67		IP67		IP69k, IP67		IP69k, IP67	
PBT		Stainless Steel Edelstahl		PBT		Stainless Steel Edelstahl		Stainless Steel Edelstahl	
Brass	Messing	Stainless Steel	Edelstahl	Brass	Messing	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl
Conn. M12	Stecker M12	Conn. M12	Stecker M12	Conn. M12	Stecker M12	Conn. M12	Stecker M12	PVC, Ultra-Flex	
built-in	Integriert	built-in	Integriert	built-in	Integriert	built-in	Integriert	built-in	Integriert

IPS12-S4PO50-A12	IMF12-S4PO50-A12	IPS12-S4PO68-A12	IMF12-S4PO68-A12	IMF12-N6PO30-A2P
IPS12-S4PC50-A12	IMF12-S4PC50-A12	IPS12-S4PC68-A12	IMF12-S4PC68-A12	IMF12-N6PC30-A2P
IPS12-S4PCO50-A12		IPS12-S4PCO68-A12		
IPS12-S4NO50-A12	IMF12-S4NO50-A12	IPS12-S4NO68-A12	IMF12-S4NO68-A12	IMF12-N6NO30-A2P
IPS12-S4NC50-A12	IMF12-S4NC50-A12	IPS12-S4NC68-A12	IMF12-S4NC68-A12	IMF12-N6NC30-A2P
IPS12-S4NCO50-A12		IPS12-S4NCO68-A12		



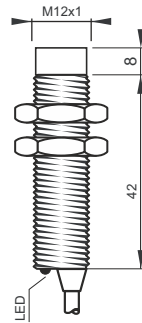
# INDUCTIVE

Unshielded  
Nicht bündig

**M12 - 6 mm**



Metal Face  
Vollmetall

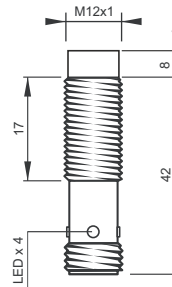


Unshielded  
Nicht bündig

**M12 - 6 mm**



Metal Face  
Vollmetall

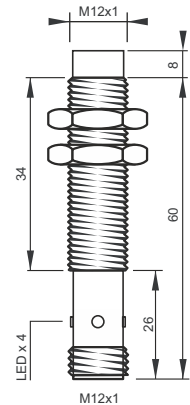


Unshielded  
Nicht bündig

**M12 - 6 mm**



Metal Face  
Vollmetall



Housing	Bauform	M12x1	M12x1	M12x1
Sensing Distance	Schaltabstand	6 mm	6 mm	6 mm
Operating Voltage	Betriebsspannung	10...30 Vdc	10...30 Vdc	10...30 Vdc
Current Load Capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA
Switching Frequency	Schaltfrequenz	700 hz	700 hz	700 hz
Operating Temperature	Betriebstemperatur	-25...75 °C	-25...75 °C	-25...75 °C
Protection Class	Schutzklasse	IP69k, IP67	IP69k, IP67	IP69k, IP67
Sensing Face	Sensorfläche	Stainless Steel Edelstahl	Stainless Steel Edelstahl	Stainless Steel Edelstahl
Housing	Gehäuse	Stainless Steel Edelstahl	Stainless Steel Edelstahl	Stainless Steel Edelstahl
Connection	Anschluss	PVC, Ultra-Flex	Conn. M12 Stecker M12	Conn. M12 Stecker M12
Switching Indicator	Schaltanzeige	built-in Integriert	built-in Integriert	built-in Integriert
<b>Part Number   Artikelnummer</b>				
PNP, NO		IMF12-N6PO50-A2P	IMF12-N6PO50-A12	IMF12-N6PO68-A12
PNP, NC		IMF12-N6PC50-A2P	IMF12-N6PC50-A12	IMF12-N6PC68-A12
PNP, NO+NC				
NPN, NO		IMF12-N6NO50-A2P	IMF12-N6NO50-A12	IMF12-N6NO68-A12
NPN, NC		IMF12-N6NC50-A2P	IMF12-N6NC50-A12	IMF12-N6NC68-A12
NPN, NO+NC				





Semi-Shielded  
Quasi bündig

**M12 - 6 mm**

NEW



Semi-Shielded  
Quasi bündig

**M12 - 6 mm**



Semi-Shielded  
Quasi bündig

**M12 - 6 mm**

NEW



Semi-Shielded  
Quasi bündig

**M12 - 6 mm**

NEW

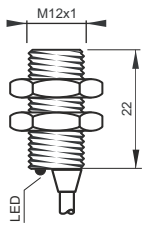


Semi-Shielded  
Quasi bündig

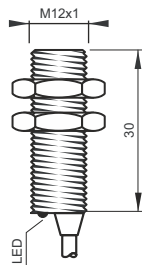
**M12 - 6 mm**



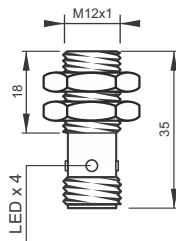
Extended  
Erweitert



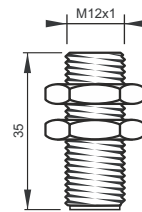
Extended  
Erweitert



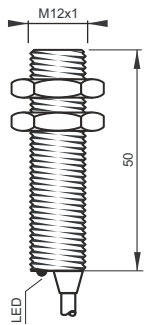
Extended  
Erweitert



Extended  
Erweitert



Extended  
Erweitert



**M12x1**

6 mm  
10...30 VDC  
200 mA  
800 Hz  
-25...75 °C

IP67

PBT

Brass Messing  
PVC, Ultra-Flex  
built-in Integriert

IPS12-S6PO22-A2P  
IPS12-S6PC22-A2P

**M12x1**

6 mm  
10...30 VDC  
200 mA  
800 Hz  
-25...75 °C

IP67

PBT

Brass Messing  
PVC, Ultra-Flex  
built-in Integriert

IPS12-S6PO30-A2P  
IPS12-S6PC30-A2P

**M12x1**

6 mm  
10...30 VDC  
200 mA  
800 Hz  
-25...75 °C

IP67

PBT

Brass Messing  
Conn. M12 Stecker M12  
built-in Integriert

IPS12-S6PO35-A12  
IPS12-S6PC35-A12

**M12x1**

6 mm  
10...30 VDC  
200 mA  
800 Hz  
-25...75 °C

IP67

PBT

Brass Messing  
Conn. M12 Stecker M12  
built-in Integriert

IPS12-S6PO35-N12  
IPS12-S6PC35-N12

**M12x1**

6 mm  
10...30 VDC  
200 mA  
800 Hz  
-25...75 °C

IP67

PBT

Brass Messing  
PVC, Ultra-Flex  
built-in Integriert

IPS12-S6PO50-A2P  
IPS12-S6PC50-A2P

IPS12-S6NO22-A2P  
IPS12-S6NC30-A2P

IPS12-S6NO30-A2P  
IPS12-S6NC30-A2P

IPS12-S6NO35-A12  
IPS12-S6NC35M12

IPS12-S6NO35-N12  
IPS12-S6NC35M12

IPS12-S6NO50-A2P  
IPS12-S6NC50-A2P



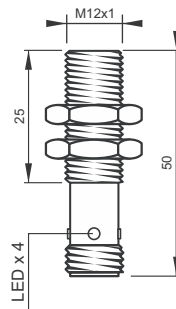
# INDUCTIVE

Semi-Shielded  
Quasi bündig

**M12 - 6 mm**



Extended  
Erweitert

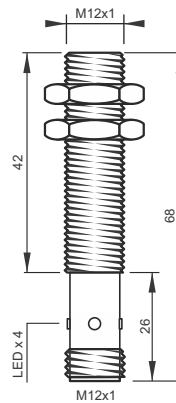


Semi-Shielded  
Quasi bündig

**M12 - 6 mm**



Extended  
Erweitert

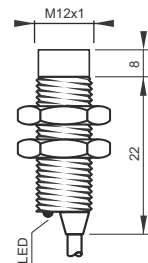


Unshielded  
Nicht bündig

**M12 - 8 mm**



Increased  
Erhöht



Housing	Bauform	M12x1		M12x1		M12x1	
Sensing Distance	Schaltabstand	6 mm		6 mm		8 mm	
Operating Voltage	Betriebsspannung	10...30 Vdc		10...30 Vdc		10...30 Vdc	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	800 Hz		800 Hz		500 Hz	
Operating Temperature	Betriebstemperatur	-25...75 °C		-25...75 °C		-25...75 °C	
Protection Class	Schutzklasse	IP67		IP67		IP67	
Sensing Face	Sensorfläche	PBT		PBT		PBT	
Housing	Gehäuse	Brass	Messing	Brass	Messing	Brass	Messing
Connection	Anschluss	Conn. M12	Stecker M12	Conn. M12	Stecker M12	PVC, Ultra-Flex	
Switching Indicator	Schaltanzeige	built-in	Integriert	built-in	Integriert	built-in	Integriert
<b>Part Number   Artikelnummer</b>							
PNP, NO		IPS12-S6PO50-A12		IPS12-S6PO68-A12		IPS12-N8PO30-A2P	
PNP, NC		IPS12-S6PC50-A12		IPS12-S6PC68-A12		IPS12-N8PC30-A2P	
PNP, NO+NC							
NPN, NO		IPS12-S6NO50-A12		IPS12-S6NO68-A12		IPS12-N8NO30-A2P	
NPN, NC		IPS12-S6NC50M12		IPS12-S6NC68-A12		IPS12-N8NC30-A2P	
NPN, NO+NC							

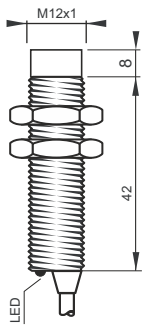


Unshielded  
Nicht bündig

**M12 - 8 mm**



Increased  
Erhöht

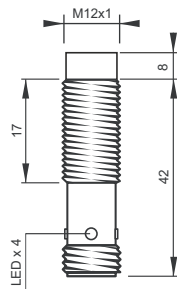


Unshielded  
Nicht bündig

**M12 - 8 mm**



Increased  
Erhöht

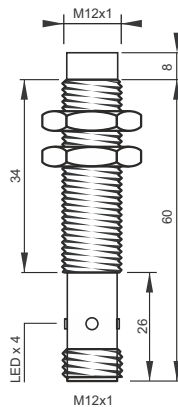


Unshielded  
Nicht bündig

**M12 - 8 mm**



Increased  
Erhöht

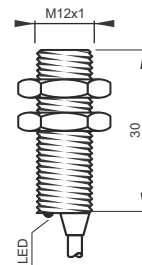


Semi-Shielded  
Quasi bündig

**M12 - 8 mm**



Performance  
Hochleistung



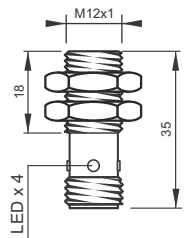
Semi-Shielded  
Quasi bündig

**M12 - 8 mm**

NEW



Performance  
Hochleistung



M12x1		M12x1		M12x1		M12x1		M12x1	
8 mm		8 mm		8 mm		8 mm		8 mm	
10...30 VDC		10...30 VDC		10...30 VDC		10...30 VDC		10...30 VDC	
200 mA		200 mA		200 mA		200 mA		200 mA	
500 Hz		500 Hz		500 Hz		800 Hz		800 Hz	
-25...75 °C		-25...75 °C		-25...75 °C		-25...75 °C		-25...75 °C	
IP67		IP67		IP67		IP67		IP67	
PBT		PBT		PBT		PBT		po45 PBT	
Brass	Messing	Brass	Messing	Brass	Messing	Brass	Messing	Brass	Messing
PVC, Ultra-Flex		Conn. M12	Stecker M12	Conn. M12	Stecker M12	PVC, Ultra-Flex		Conn. M12	Stecker M12
built-in	Integriert	built-in	Integriert	built-in	Integriert	built-in	Integriert	built-in	Integriert
IPS12-N8PO50-A2P		IPS12-N8PO50-A12		IPS12-N8PO68-A12		IPS12-S8PO30-A2P		IPS12-S8PO35-A12	
IPS12-N8PC50-A2P		IPS12-N8PC50-A12		IPS12-N8PC68-A12		IPS12-S8PC30-A2P		IPS12-S8PC35-A12	
IPS12-N8NO50-A2P		IPS12-N8NO50-A12		IPS12-N8NO68-A12		IPS12-S8NO30-A2P		IPS12-S8NO35-A12	
IPS12-N8NC50-A2P		IPS12-N8NC50-A12		IPS12-N8NC68-A12		IPS12-S8NC30-A2P		IPS12-S8NC35-A12	



# INDUCTIVE

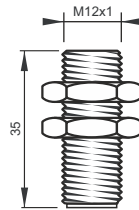
Semi-Shielded  
Quasi bündig

**M12 - 8 mm**

NEW



Performance  
Hochleistung

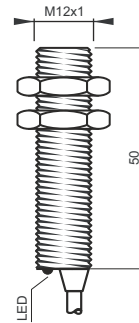


Semi-Shielded  
Quasi bündig

**M12 - 8 mm**



Performance  
Hochleistung

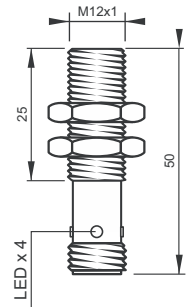


Semi-Shielded  
Quasi bündig

**M12 - 8 mm**



Performance  
Hochleistung



Housing	Bauform	M12x1		M12x1		M12x1	
Sensing Distance	Schaltabstand	8 mm		8 mm		8 mm	
Operating Voltage	Betriebsspannung	10...30 Vdc		10...30 Vdc		10...30 Vdc	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	800 Hz		800 Hz		800 Hz	
Operating Temperature	Betriebstemperatur	-25...75 °C		-25...75 °C		-25...75 °C	
Protection Class	Schutzklasse	IP67		IP67		IP67	
Sensing Face	Sensorfläche	PBT		PBT		PBT	
Housing	Gehäuse	Brass	Messing	Brass	Messing	Brass	Messing
Connection	Anschluss	Conn. M12	Stecker M12	PVC, Ultra-Flex		Conn. M12	Stecker M12
Switching Indicator	Schaltanzeige	built-in	Integriert	built-in	Integriert	built-in	Integriert
<b>Part Number   Artikelnummer</b>							
PNP, NO		IPS12-S8PO35-N12		IPS12-S8PO50-A2P		IPS12-S8PO50-A12	
PNP, NC		IPS12-S8PC35-N12		IPS12-S8PC50-A2P		IPS12-S8PC50-A12	
PNP, NO+NC							
NPN, NO		IPS12-S8NO35-N12		IPS12-S8NO50-A2P		IPS12-S8NO50-A12	
NPN, NC		IPS12-S8NC35-N12		IPS12-S8NC50-A2P		IPS12-S8NC50-A12	
NPN, NO+NC							



Semi-Shielded  
Quasi bündig

**M12 - 8 mm**



Unshielded  
Nicht bündig

**M12 - 10 mm**



Unshielded  
Nicht bündig

**M12 - 10 mm**



Unshielded  
Nicht bündig

**M12 - 10 mm**

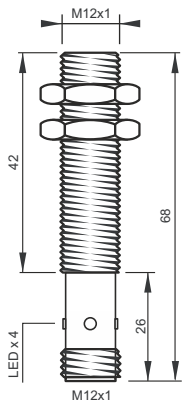


Unshielded  
Nicht bündig

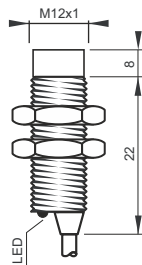
**M12 - 10 mm**



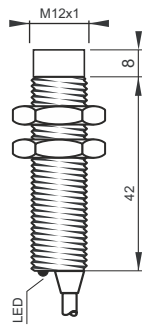
Performance  
Hochleistung



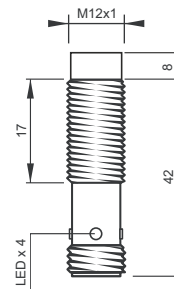
Extended  
Hochleistung



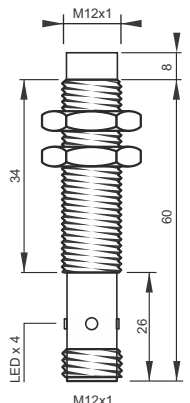
Extended  
Hochleistung



Extended  
Hochleistung



Extended  
Hochleistung



M12x1		M12x1		M12x1		M12x1		M12x1	
8 mm		10 mm		10 mm		10 mm		10 mm	
10...30 VDC		10...30 VDC		10...30 VDC		10...30 VDC		10...30 VDC	
200 mA		200 mA		200 mA		200 mA		200 mA	
800 Hz		400 Hz		400 Hz		400 Hz		400 Hz	
-25...75 °C		-25...75 °C		-25...75 °C		-25...75 °C		-25...75 °C	
IP67		IP67		IP67		IP67		IP67	
PBT		PBT		PBT		PBT		PBT	
Brass	Messing	Brass	Messing	Brass	Messing	Brass	Messing	Brass	Messing
Conn. M12	Stecker M12	PVC, Ultra-Flex		PVC, Ultra-Flex		Conn. M12	Stecker M12	Conn. M12	Stecker M12
built-in	Integriert	built-in	Integriert	built-in	Integriert	built-in	Integriert	built-in	Integriert
IPS12-S8PO68-A12		IPS12-N10PO30-A2P		IPS12-N10PO50-A2P		IPS12-N10PO50-A12		IPS12-N10PO68-A12	
IPS12-S8PC68-A12		IPS12-N10PC30-A2P		IPS12-N10PC50-A2P		IPS12-N10PC50-A12		IPS12-N10PC68-A12	
IPS12-S8NO68-A12		IPS12-N10NO30-A2P		IPS12-N10NO50-A2P		IPS12-N10NO50-A12		IPS12-N10NO68-A12	
IPS12-S8NC68-A12		IPS12-N10NC30-A2P		IPS12-N10NC50-A2P		IPS12-N10NC50-A12		IPS12-N10NC68-A12	



XECRO reserves the right to make minor changes without prior notification.  
XECRO behält sich das Recht vor, geringfügige Anpassungen jederzeit durchzuführen.

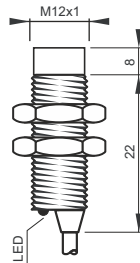
# INDUCTIVE

Unshielded  
Nicht bündig

**M12 - 12 mm**



Performance  
Hochleistung

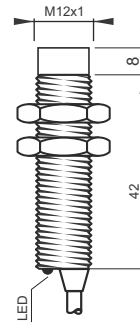


Unshielded  
Nicht bündig

**M12 - 12 mm**



Performance  
Hochleistung

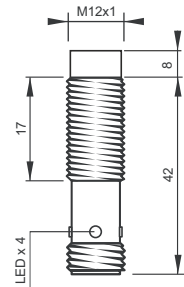


Unshielded  
Nicht bündig

**M12 - 12 mm**



Performance  
Hochleistung



Housing	Bauform	M12x1		M12x1		M12x1	
Sensing Distance	Schaltabstand	12 mm		12 mm		12 mm	
Operating Voltage	Betriebsspannung	10...30 Vdc		10...30 Vdc		10...30 Vdc	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	400 Hz		400 Hz		400 Hz	
Operating Temperature	Betriebstemperatur	-25...75 °C		-25...75 °C		-25...75 °C	
Protection Class	Schutzklasse	IP67		IP67		IP67	
Sensing Face	Sensorfläche	PBT		PBT		PBT	
Housing	Gehäuse	Brass	Messing	Brass	Messing	Brass	Messing
Connection	Anschluss	PVC, Ultra-Flex		PVC, Ultra-Flex		Conn. M12	Stecker M12
Switching Indicator	Schaltanzeige	built-in	Integriert	built-in	Integriert	built-in	Integriert
<b>Part Number   Artikelnummer</b>							
PNP, NO		IPS12-N12PO30-A2P		IPS12-N12PO50-A2P		IPS12-N12PO50-A12	
PNP, NC		IPS12-N12PC30-A2P		IPS12-N12PC50-A2P		IPS12-N12PC50-A12	
PNP, NO+NC							
NPN, NO		IPS12-N12NO30-A2P		IPS12-N12NO50-A2P		IPS12-N12NO50-A12	
NPN, NC		IPS12-N12NC30-A2P		IPS12-N12NC50-A2P		IPS12-N12NC50-A12	
NPN, NO+NC							



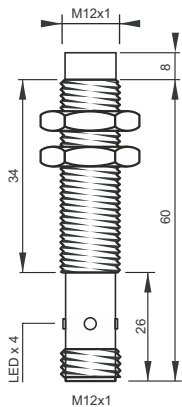
IUF18 – highest precision when used as mechanical end stop.  
IUF18 – höchste Genauigkeit durch Verwendung als mechanischer Endanschlag.

Unshielded  
Nicht bündig

**M12 - 12 mm**



Performance  
Hochleistung

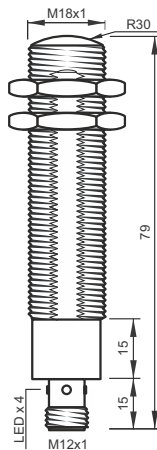


Shielded  
Bündig

**M18 - 1 mm**



ULTRA Metal Face  
ULTRA Vollmetall

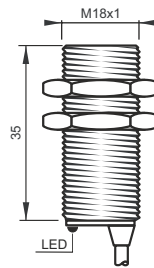


Shielded  
Bündig

**M18 - 5 mm**



Standard

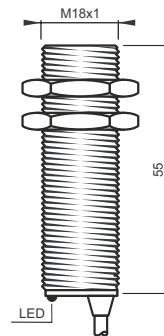


Shielded  
Bündig

**M18 - 5 mm**



Standard

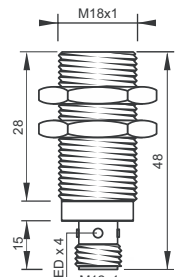


Shielded  
Bündig

**M18 - 5 mm**



Standard



**M12x1**

12 mm  
10...30 VDC

200 mA  
400 Hz

-25...75 °C

IP67

PBT

Brass Messing

Conn. M12 Stecker M12

built-in Integriert

IPS12-N12PO68-A12

IPS12-N12PC68-A12

IPS12-N12NO68-A12

IPS12-N12NC68-A12

**M18x1**

) \* 1 mm  
10...30 VDC

200 mA  
500 Hz

-25...75 °C

IP69k, IP67

5 mm Stainless 5 mmEdelstahl PBT

Stainless Steel Edelstahl

Conn. M12 Stecker M12

built-in Integriert

IUF18-S1PO79-A12

IUF18-S1PC79-A12

IUF18-S1NO79-A12

IUF18-S1NC79-A12

**M18x1**

5 mm  
10...30 VDC

200 mA  
1000 Hz

-25...75 °C

IP67

PBT

Brass Messing

PVC, Ultra-Flex

built-in Integriert

IPS18-S5PO35-A2P

IPS18-S5PC35-A2P

IPS18-S5NO35-A2P

IPS18-S5NC35-A2P

**M18x1**

5 mm  
10...30 VDC

200 mA  
1000 Hz

-25...75 °C

IP67

PBT

Brass Messing

PVC, Ultra-Flex

built-in Integriert

IPS18-S5PO55-A2P

IPS18-S5PC55-A2P

IPS18-S5NO55-A2P

IPS18-S5NC55-A2P

**M18x1**

5 mm  
10...30 VDC

200 mA  
1000 Hz

-25...75 °C

IP67

PBT

Brass Messing

Conn. M12 Stecker M12

built-in Integriert

IPS18-S5PO48-A12

IPS18-S5PC48-A12

IPS18-S5NO48-A12

IPS18-S5NC48-A12



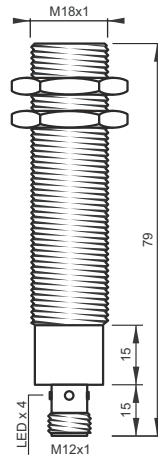
# INDUCTIVE

Shielded Bündig

**M18 - 5 mm**



Standard

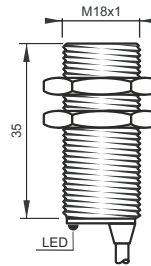


Shielded Bündig

**M18 - 8 mm**



Increased Erhöht

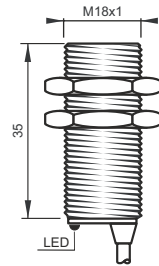


Shielded Bündig

**M18 - 8 mm**



Metal Face Vollmetall



Housing	Bauform	M18x1		M18x1		M18x1	
Sensing Distance	Schaltabstand	5 mm		8 mm		8 mm	
Operating Voltage	Betriebsspannung	10...30 Vdc		10...30 Vdc		10...30 Vdc	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	1000 Hz		500 Hz		500 Hz	
Operating Temperature	Betriebstemperatur	-25...75 °C		-25...75 °C		-25...75 °C	
Protection Class	Schutzklasse	IP67		IP67		IP69k, IP67	
Sensing Face	Sensorfläche	PBT		PBT		Stainless Steel Edelstahl	
Housing	Gehäuse	Brass	Messing	Brass	Messing	Stainless Steel	Edelstahl
Connection	Anschluss	Conn. M12	Stecker M12	PVC, Ultra-Flex		PVC, Ultra-Flex	
Switching Indicator	Schaltanzeige	built-in	Integriert	built-in	Integriert	built-in	Integriert
<b>Part Number   Artikelnummer</b>							
PNP, NO		IPS18-S5PO79-A12		IPS18-S8PO35-A2P		IMF18-S8PO35-A2P	
PNP, NC		IPS18-S5PC79-A12		IPS18-S8PC35-A2P		IMF18-S8PC35-A2P	
PNP, NO+NC				IPS18-S8PCO35-A2P			
NPN, NO		IPS18-S5NO79-A12		IPS18-S8NO35-A2P		IMF18-S8NO35-A2P	
NPN, NC		IPS18-S5NC79-A12		IPS18-S8NC35-A2P		IMF18-S8NC35-A2P	
NPN, NO+NC				IPS18-S8NCO35-A2P			



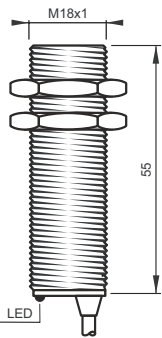


Shielded Bündig

**M18 - 8 mm**



Increased Erhöht

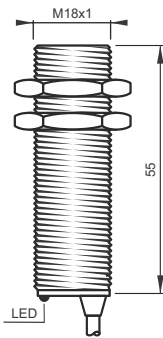


Shielded Bündig

**M18 - 8 mm**



Metal Face Vollmetall

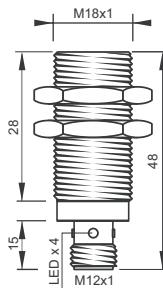


Shielded Bündig

**M18 - 8 mm**



Increased Erhöht

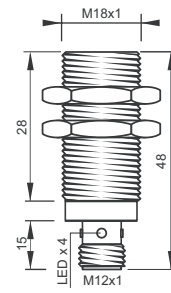


Shielded Bündig

**M18 - 8 mm**



Metal Face Vollmetall

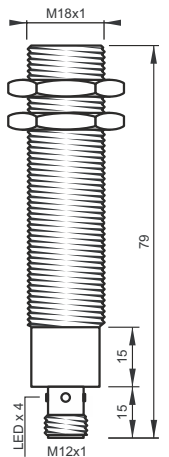


Shielded Bündig

**M18 - 8 mm**



Increased Erhöht



M18x1		M18x1		M18x1		M18x1		M18x1	
8 mm		8 mm		8 mm		8 mm		8 mm	
10...30 VDC		10...30 VDC		10...30 VDC		10...30 VDC		10...30 VDC	
200 mA		200 mA		200 mA		200 mA		200 mA	
500 Hz		500 Hz		500 Hz		500 Hz		500 Hz	
-25...75 °C		-25...75 °C		-25...75 °C		-25...75 °C		-25...75 °C	
IP67		IP69k, IP67		IP67		IP69k, IP67		IP67	
PBT		Stainless Steel Edelstahl		PBT		Stainless Steel Edelstahl		PBT	
Brass	Messing	Stainless Steel	Edelstahl	Brass	Messing	Stainless Steel	Edelstahl	Brass	Messing
PVC, Ultra-Flex		PVC, Ultra-Flex		Conn. M12	Stecker M12	Conn. M12	Stecker M12	Conn. M12	Stecker M12
built-in	Integriert	built-in	Integriert	built-in	Integriert	built-in	Integriert	built-in	Integriert

IPS18-S8PO55-A2P	IMF18-S8PO55-A2P	IPS18-S8PO48-A12	IMF18-S8PO48-A12	IPS18-S8PO79-A12
IPS18-S8PC55-A2P	IMF18-S8PC55-A2P	IPS18-S8PC48-A12	IMF18-S8PC48-A12	IPS18-S8PC79-A12
IPS18-S8PCO55-A2P		IPS18-S8PCO48-A12		IPS18-S8PCO79-A12
IPS18-S8NO55-A2P	IMF18-S8NO55-A2P	IPS18-S8NO48-A12	IMF18-S8NO48-A12	IPS18-S8NO79-A12
IPS18-S8NC55-A2P	IMF18-S8NC55-A2P	IPS18-S8NC48-A12	IMF18-S8NC48-A12	IPS18-S8NC79-A12
IPS18-S8NCO55-A2P		IPS18-S8NCO48-A12		IPS18-S8NCO79-A12



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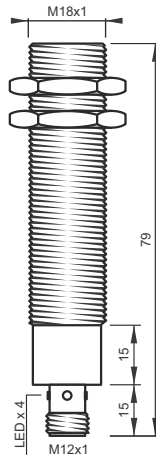
# INDUCTIVE

Shielded  
Bündig

**M18 - 8 mm**



Metal Face  
Vollmetall

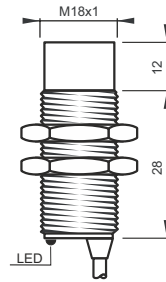


Unshielded  
Nicht bündig

**M18 - 8 mm**



Standard

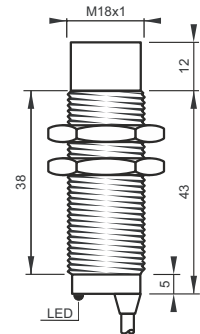


Unshielded  
Nicht bündig

**M18 - 8 mm**



Standard



Housing	Bauform	M18x1	M18x1	M18x1
Sensing Distance	Schaltabstand	8 mm	8 mm	8 mm
Operating Voltage	Betriebsspannung	10...30 Vdc	10...30 Vdc	10...30 Vdc
Current Load Capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA
Switching Frequency	Schaltfrequenz	500 Hz	500 Hz	500 Hz
Operating Temperature	Betriebstemperatur	-25...75 °C	-25...75 °C	-25...75 °C
Protection Class	Schutzklasse	IP69k, IP67	IP67	IP67
Sensing Face	Sensorfläche	Stainless Steel Edelstahl	PBT	PBT
Housing	Gehäuse	Stainless Edelstahl	Brass Messing	Brass Messing
Connection	Anschluss	Conn. M12 Stecker M12	PVC, Ultra-Flex	PVC, Ultra-Flex
Switching Indicator	Schaltanzeige	built-in Integriert	built-in Integriert	built-in Integriert
<b>Part Number   Artikelnummer</b>				
PNP, NO		IMF18-S8PO79-A12	IPS18-N8PO40-A2P	IPS18-N8PO55-A2P
PNP, NC		IMF18-S8PC79-A12	IPS18-N8PC40-A2P	IPS18-N8PC55-A2P
PNP, NO+NC				
NPN, NO		IMF18-S8NO79-A12	IPS18-N8NO40-A2P	IPS18-N8NO55-A2P
NPN, NC		IMF18-S8NC79-A12	IPS18-N8NC40-A2P	IPS18-N8NC55-A2P
NPN, NO+NC				

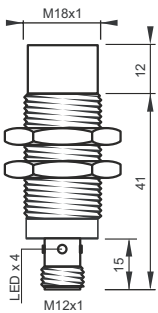


Unshielded  
Nicht bündig

**M18 - 8 mm**



Standard

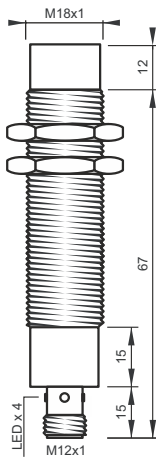


Unshielded  
Nicht bündig

**M18 - 8 mm**



Standard

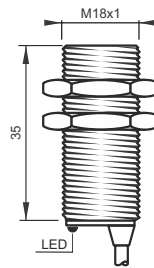


Semi-Shielded  
Quasi bündig

**M18 - 12 mm**



Extended  
Erweitert

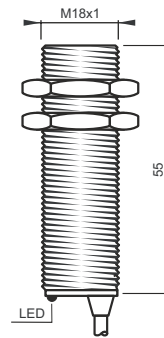


Semi-Shielded  
Quasi bündig

**M18 - 12 mm**



Extended  
Erweitert

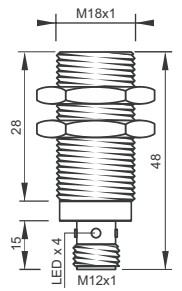


Semi-Shielded  
Quasi bündig

**M18 - 12 mm**



Extended  
Erweitert



M18x1		M18x1		M18x1		M18x1		M18x1	
8 mm		8 mm		12 mm		12 mm		12 mm	
10...30 VDC		10...30 VDC		10...30 VDC		10...30 VDC		10...30 VDC	
200 mA		200 mA		200 mA		200 mA		200 mA	
500 Hz		500 Hz		300 Hz		300 Hz		300 Hz	
-25...75 °C		-25...75 °C		-25...75 °C		-25...75 °C		-25...75 °C	
IP67		IP67		IP67		IP67		IP67	
PBT		PBT		PBT		PBT		PBT	
Brass	Messing	Brass	Messing	Brass	Messing	Brass	Messing	Brass	Messing
Conn. M12	Stecker M12	Conn. M12	Stecker M12	PVC, Ultra-Flex		PVC, Ultra-Flex		Conn. M12	Stecker M12
built-in	Integriert	built-in	Integriert	built-in	Integriert	built-in	Integriert	built-in	Integriert
IPS18-N8PO53-A12		IPS18-N8PO79-A12		IPS18-S12PO35-A2P		IPS18-S12PO55-A2P		IPS18-S12PO48-A12	
IPS18-N8PC53-A12		IPS18-N8PC79-A12		IPS18-S12PC35-A2P		IPS18-S12PC55-A2P		IPS18-S12PC48-A12	
IPS18-N8NO53-A12		IPS18-N8NO79-A12		IPS18-S12NO35-A2P		IPS18-S12NO55-A2P		IPS18-S12NO48-A12	
IPS18-N8NC53-A12		IPS18-N8NC79-A12		IPS18-S12NC35-A2P		IPS18-S12NC55-A2P		IPS18-S12NC48-A12	



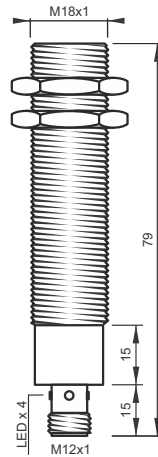
# INDUCTIVE

Semi-Shielded  
Quasi bündig

**M18 - 12 mm**



Extended  
Erweitert



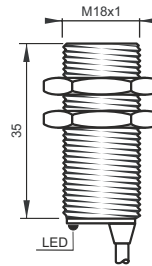
Semi-Shielded  
Quasi bündig

**M18 - 15 mm**

NEW



Performance  
Hochleistung



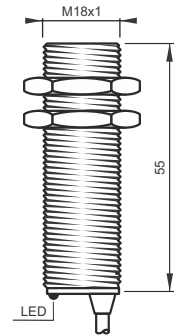
Semi-Shielded  
Quasi bündig

**M18 - 15 mm**

NEW



Performance  
Hochleistung



Housing	Bauform	M18x1		M18x1		M18x1	
Sensing Distance	Schaltabstand	12 mm		15 mm		15 mm	
Operating Voltage	Betriebsspannung	10...30 Vdc		10...30 Vdc		10...30 Vdc	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	300 Hz		300 Hz		300 Hz	
Operating Temperature	Betriebstemperatur	-25...75 °C		-25...75 °C		-25...75 °C	
Protection Class	Schutzklasse	IP67		IP67		IP67	
Sensing Face	Sensorfläche	PBT		PBT		PBT	
Housing	Gehäuse	Brass	Messing	Brass	Messing	Brass	Messing
Connection	Anschluss	Conn. M12	Stecker M12	PVC, Ultra-Flex		PVC, Ultra-Flex	
Switching Indicator	Schaltanzeige	built-in	Integriert	built-in	Integriert	built-in	Integriert
<b>Part Number   Artikelnummer</b>							
PNP, NO		IPS18-S12PO79-A12		IPS18-S15PO35-A2P		IPS18-S15PO55-A2P	
PNP, NC		IPS18-S12PC79-A12		IPS18-S15PC35-A2P		IPS18-S15PC55-A2P	
PNP, NO+NC							
NPN, NO		IPS18-S12NO79-A12		IPS18-S15NO35-A2P		IPS18-S15NO55-A2P	
NPN, NC		IPS18-S12NC79-A12		IPS18-S15NC35-A2P		IPS18-S15NC55-A2P	
NPN, NO+NC							



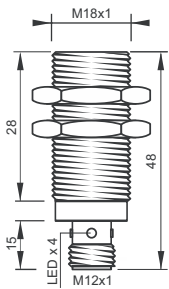
Semi-Shielded  
Quasi bündig

**M18 - 15 mm**

NEW



Performance  
Hochleistung



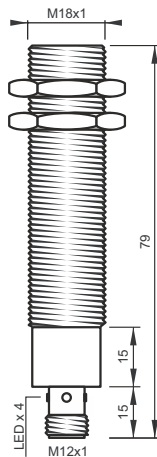
Semi-Shielded  
Quasi bündig

**M18 - 15 mm**

NEW



Performance  
Hochleistung

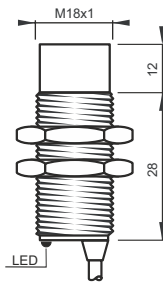


Unshielded  
Nicht bündig

**M18 - 16 mm**



Increased  
Erhöht

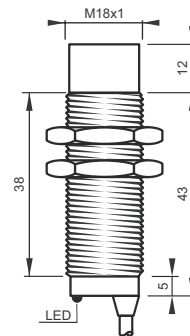


Unshielded  
Nicht bündig

**M18 - 16 mm**



Increased  
Erhöht

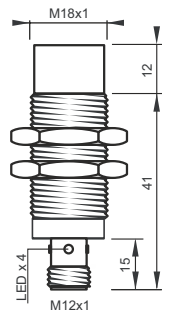


Unshielded  
Nicht bündig

**M18 - 16 mm**



Increased  
Erhöht



**M18x1**

15 mm  
10...30 VDC  
200 mA  
300 Hz  
-25...75 °C

IP67

PBT

Brass Messing  
Conn. M12 Stecker M12  
built-in Integriert

IPS18-S15PO48-A12  
IPS18-S15PC48-A12

**M18x1**

15 mm  
10...30 VDC  
200 mA  
300 Hz  
-25...75 °C

IP67

PBT

Brass Messing  
Conn. M12 Stecker M12  
built-in Integriert

IPS18-S15PO79-A12  
IPS18-S15PC79-A12

**M18x1**

16 mm  
10...30 VDC  
200 mA  
150 Hz  
-25...75 °C

IP67

PBT

Brass Messing  
PVC, Ultra-Flex  
built-in Integriert

IPS18-N16PO40-A2P  
IPS18-N16PC40-A2P

**M18x1**

16 mm  
10...30 VDC  
200 mA  
150 Hz  
-25...75 °C

IP67

PBT

Brass Messing  
PVC, Ultra-Flex  
built-in Integriert

IPS18-N16PO55-A2P  
IPS18-N16PC55-A2P

**M18x1**

16 mm  
10...30 VDC  
200 mA  
150 Hz  
-25...75 °C

IP67

PBT

Brass Messing  
Conn. M12 Stecker M12  
built-in Integriert

IPS18-N16PO53-A12  
IPS18-N16PC53-A12

IPS18-S15NO48-A12  
IPS18-S15NC48-A12

IPS18-S15NO79-A12  
IPS18-S15NC79-A12

IPS18-N16NO40-A2P  
IPS18-N16NC40-A2P

IPS18-N16NO55-A2P  
IPS18-N16NC55-A2P

IPS18-N16NO53-A12  
IPS18-N16NC53-A12



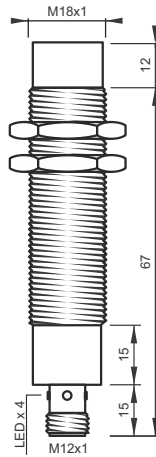
# INDUCTIVE

Unshielded  
Nicht bündig

**M18 - 16 mm**



Increased  
Erhöht

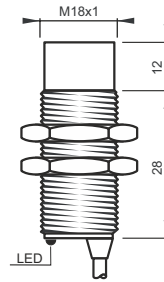


Unshielded  
Nicht bündig

**M18 - 20 mm**



Extended  
Erweitert

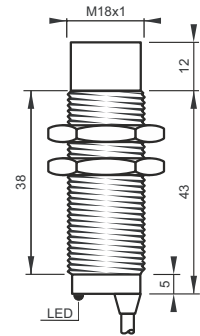


Unshielded  
Nicht bündig

**M18 - 20 mm**



Extended  
Erweitert



Housing	Bauform	M18x1		M18x1		M18x1	
Sensing Distance	Schaltabstand	16 mm		20 mm		20 mm	
Operating Voltage	Betriebsspannung	10...30 Vdc		10...30 Vdc		10...30 Vdc	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	150 Hz		100 Hz		100 Hz	
Operating Temperature	Betriebstemperatur	-25...75 °C		-25...75 °C		-25...75 °C	
Protection Class	Schutzklasse	IP67		IP67		IP67	
Sensing Face	Sensorfläche	PBT		PBT		PBT	
Housing	Gehäuse	Brass	Messing	Brass	Messing	Brass	Messing
Connection	Anschluss	Conn. M12	Stecker M12	PVC, Ultra-Flex		PVC, Ultra-Flex	
Switching Indicator	Schaltanzeige	built-in	Integriert	built-in	Integriert	built-in	Integriert
<b>Part Number   Artikelnummer</b>							
PNP, NO		IPS18-N16PO79-A12		IPS18-N20PO40-A2P		IPS18-N20PO55-A2P	
PNP, NC		IPS18-N16PC79-A12		IPS18-N20PC40-A2P		IPS18-N20PC55-A2P	
PNP, NO+NC							
NPN, NO		IPS18-N16NO79-A12		IPS18-N20NO40-A2P		IPS18-N20NO55-A2P	
NPN, NC		IPS18-N16NC79-A12		IPS18-N20NC40-A2P		IPS18-N20NC55-A2P	
NPN, NO+NC							



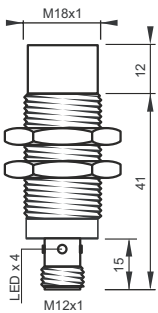
IUF30 – highest precision when used as mechanical end stop.  
IUF30 – höchste Genauigkeit durch Verwendung als mechanischer Endanschlag.

Unshielded  
Nicht bündig

**M18 - 20 mm**



Extended  
Erweitert

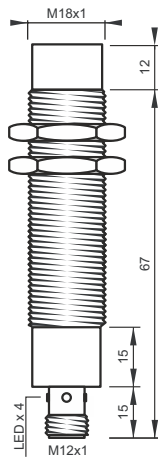


Unshielded  
Nicht bündig

**M18 - 20 mm**



Extended  
Erweitert

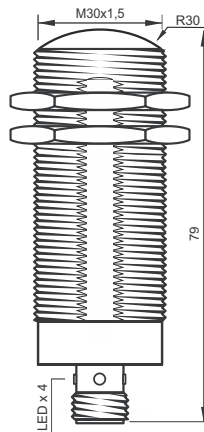


Shielded  
Bündig

**M30 - 1 mm**



ULTRA Metal Face  
ULTRA Vollmetall

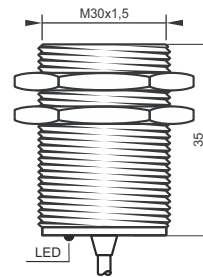


Shielded  
Bündig

**M30 - 10 mm**



Standard

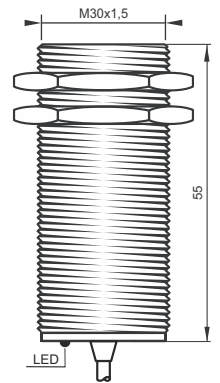


Shielded  
Bündig

**M30 - 10 mm**



Standard



M18x1		M18x1		M30x1		M30x1.5		M30x1.5	
20 mm		20 mm		) * 1 mm		10 mm		10 mm	
10...30 VDC		10...30 VDC		10...30 VDC		10...30 VDC		10...30 VDC	
200 mA		200 mA		200 mA		200 mA		200 mA	
100 Hz		100 Hz		500 Hz		300 Hz		300 Hz	
-25...75 °C		-25...75 °C		-25...75 °C		-25...75 °C		-25...75 °C	
IP67		IP67		IP69k, IP67		IP67		IP67	
PBT		PBT		7 mm Stainless 7 mm Edelstahl		PBT		PBT	
Brass	Messing	Brass	Messing	Stainless Steel	Edelstahl	Brass	Messing	Brass	Messing
Conn. M12	Stecker M12	Conn. M12	Stecker M12	Conn. M12	Stecker M12	PVC, Ultra-Flex		PVC, Ultra-Flex	
built-in	Integriert	built-in	Integriert	built-in	Integriert	built-in	Integriert	built-in	Integriert
IPS18-N20PO53-A12		IPS18-N20PO79-A12		IUF30-S1PO79-A12		IPS30-S10PO35-A2P		IPS30-S10PO55-A2P	
IPS18-N20PC53-A12		IPS18-N20PC79-A12		IUF30-S1PC79-A12		IPS30-S10PC35-A2P		IPS30-S10PC55-A2P	
IPS18-N20NO53-A12		IPS18-N20NO79-A12		IUF30-S1NO79-A12		IPS30-S10NO35-A2P		IPS30-S10NO55-A2P	
IPS18-N20NC53-A12		IPS18-N20NC79-A12		IUF30-S1NC79-A12		IPS30-S10NC35-A2P		IPS30-S10NC55-A2P	



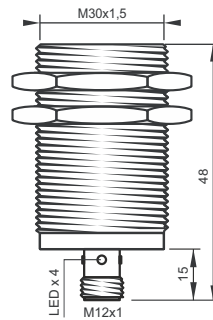
# INDUCTIVE

Shielded  
Bündig

M30 - 10 mm



Standard

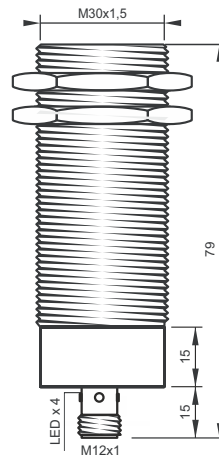


Shielded  
Bündig

M30 - 10 mm



Standard

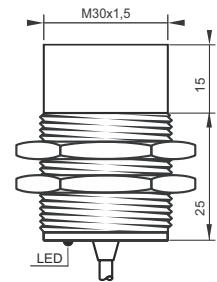


Unshielded  
Nicht bündig

M30 - 15 mm



Standard



Housing	Bauform	M30x1.5		M30x1.5		M30x1.5	
Sensing Distance	Schaltabstand	10 mm		10 mm		15 mm	
Operating Voltage	Betriebsspannung	10...30 VDC		10...30 VDC		10...30 VDC	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	300 Hz		300 Hz		150 Hz	
Operating Temperature	Betriebstemperatur	-25...75 °C		-25...75 °C		-25...75 °C	
Protection Class	Schutzklasse	IP67		IP67		IP67	
Sensing Face	Sensorfläche	PBT		PBT		PBT	
Housing	Gehäuse	Brass	Messing	Brass	Messing	Brass	Messing
Connection	Anschluss	Conn. M12	Stecker M12	Conn. M12	Stecker M12	PVC, Ultra-Flex	
Switching Indicator	Schaltanzeige	built-in	Integriert	built-in	Integriert	built-in	Integriert
<b>Part Number   Artikelnummer</b>							
PNP, NO		IPS30-S10PO48-A12		IPS30-S10PO79-A12		IPS30-N15PO40-A2P	
PNP, NC		IPS30-S10PC48-A12		IPS30-S10PC79-A12		IPS30-N15PC40-A2P	
PNP, NO+NC							
NPN, NO		IPS30-S10NO48-A12		IPS30-S10NO79-A12		IPS30-N15NO40-A2P	
NPN, NC		IPS30-S10NC48-A12		IPS30-S10NC79-A12		IPS30-N15NC40-A2P	
NPN, NO+NC							



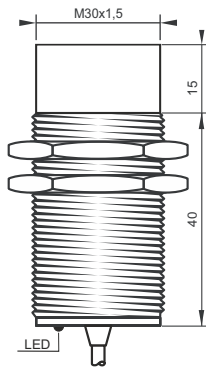


Unshielded  
Nicht bündig

**M30 - 15 mm**



Standard

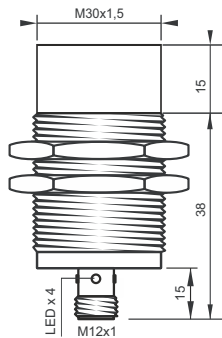


Unshielded  
Nicht bündig

**M30 - 15 mm**



Standard

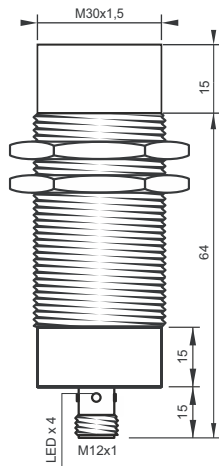


Unshielded  
Nicht bündig

**M30 - 15 mm**



Standard

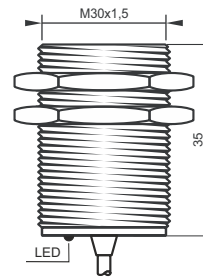


Shielded  
Bündig

**M30 - 16 mm**



Increased  
Erhöht

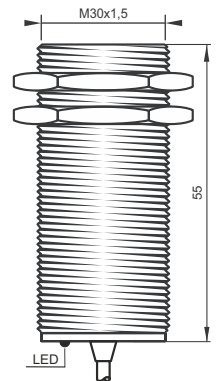


Shielded  
Bündig

**M30 - 16 mm**



Increased  
Erhöht



M30x1.5		M30x1.5		M30x1.5		M30x1.5		M30x1.5	
15 mm		15 mm		15 mm		16 mm		16 mm	
10...30 Vdc		10...30 Vdc		10...30 Vdc		10...30 Vdc		10...30 Vdc	
200 mA		200 mA		200 mA		200 mA		200 mA	
150 Hz		150 Hz		150 Hz		150 Hz		150 Hz	
-25...75 °C		-25...75 °C		-25...75 °C		-25...75 °C		-25...75 °C	
IP67		IP67		IP67		IP67		IP67	
PBT		PBT		PBT		PBT		PBT	
Brass	Messing	Brass	Messing	Brass	Messing	Brass	Messing	Brass	Messing
PVC, Ultra-Flex		Conn. M12	Stecker M12	Conn. M12	Stecker M12	PVC, Ultra-Flex		PVC, Ultra-Flex	
built-in	Integriert	built-in	Integriert	built-in	Integriert	built-in	Integriert	built-in	Integriert
IPS30-N15PO55-A2P		IPS30-N15PO53-A12		IPS30-N15PO79-A12		IPS30-S16PO35-A2P		IPS30-S16PO55-A2P	
IPS30-N15PC55-A2P		IPS30-N15PC53-A12		IPS30-N15PC79-A12		IPS30-S16PC35-A2P		IPS30-S16PC55-A2P	
IPS30-N15NO55-A2P		IPS30-N15NO53-A12		IPS30-N15NO79-A12		IPS30-S16NO35-A2P		IPS30-S16NO55-A2P	
IPS30-N15NC55-A2P		IPS30-N15NC53-A12		IPS30-N15NC79-A12		IPS30-S16NC35-A2P		IPS30-S16NC55-A2P	



XECRO reserves the right to make minor changes without prior notification.  
XECRO behält sich das Recht vor, geringfügige Anpassungen jederzeit durchzuführen.

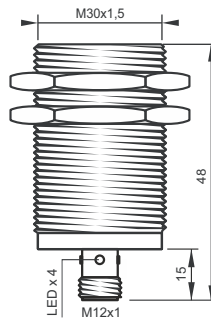
# INDUCTIVE

Shielded  
Bündig

M30 - 16 mm



Increased  
Erhöht

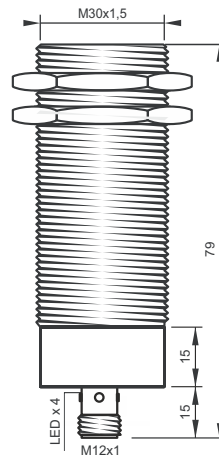


Shielded  
Bündig

M30 - 16 mm



Increased  
Erhöht

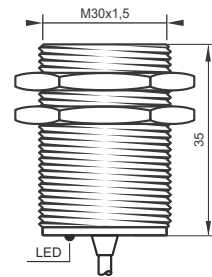


Semi-Shielded  
Quasi bündig

M30 - 22 mm



Extended  
Erweitert



Housing	Bauform	M30x1.5		M30x1.5		M30x1.5	
Sensing Distance	Schaltabstand	16 mm		16 mm		22 mm	
Operating Voltage	Betriebsspannung	10...30 Vdc		10...30 Vdc		10...30 Vdc	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	150 Hz		150 Hz		150 Hz	
Operating Temperature	Betriebstemperatur	-25...75 °C		-25...75 °C		-25...75 °C	
Protection Class	Schutzklasse	IP67		IP67		IP67	
Sensing Face	Sensorfläche	PBT		PBT		PBT	
Housing	Gehäuse	Brass	Messing	Brass	Messing	Brass	Messing
Connection	Anschluss	Conn. M12	Stecker M12	Conn. M12	Stecker M12	PVC, Ultra-Flex	
Switching Indicator	Schaltanzeige	built-in	Integriert	built-in	Integriert	built-in	Integriert
<b>Part Number   Artikelnummer</b>							
PNP, NO		IPS30-S16PO48-A12		IPS30-S16PO79-A12		IPS30-S22PO35-A2P	
PNP, NC		IPS30-S16PC48-A12		IPS30-S16PC79-A12		IPS30-S22PC35-A2P	
PNP, NO+NC							
NPN, NO		IPS30-S16NO48-A12		IPS30-S16NO79-A12		IPS30-S22NO35-A2P	
NPN, NC		IPS30-S16NC48-A12		IPS30-S16NC79-A12		IPS30-S22NC35-A2P	
NPN, NO+NC							

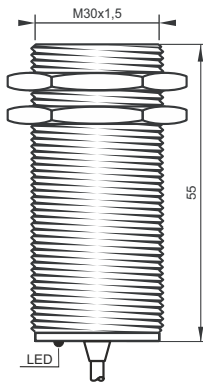


Semi-Shielded  
Quasi bündig

**M30 - 22 mm**



Extended  
Erweitert

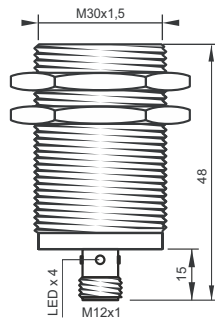


Semi-Shielded  
Quasi bündig

**M30 - 22 mm**



Extended  
Erweitert

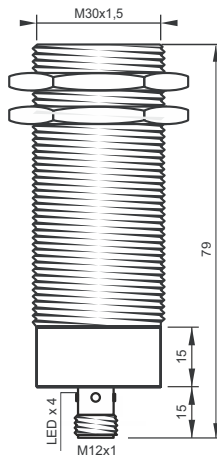


Semi-Shielded  
Quasi bündig

**M30 - 22 mm**



Extended  
Erweitert

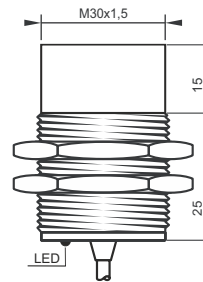


Unshielded  
Nicht bündig

**M30 - 25 mm**



Increased  
Erhöht

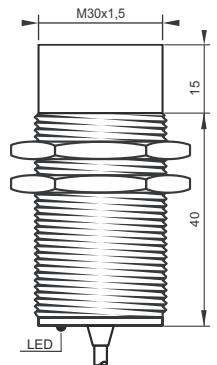


Unshielded  
Nicht bündig

**M30 - 25 mm**



Increased  
Erhöht



M30x1.5		M30x1.5		M30x1.5		M30x1.5		M30x1.5	
22 mm		22 mm		22 mm		25 mm		25 mm	
10...30 VDC		10...30 VDC		10...30 VDC		10...30 VDC		10...30 VDC	
200 mA		200 mA		200 mA		200 mA		200 mA	
150 Hz		150 Hz		150 Hz		100 Hz		100 Hz	
-25...75 °C		-25...75 °C		-25...75 °C		-25...75 °C		-25...75 °C	
IP67		IP67		IP67		IP67		IP67	
PBT		PBT		PBT		PBT		PBT	
Brass	Messing	Brass	Messing	Brass	Messing	Brass	Messing	Brass	Messing
PVC, Ultra-Flex		Conn. M12	Stecker M12	Conn. M12	Stecker M12	PVC, Ultra-Flex		PVC, Ultra-Flex	
built-in	Integriert	built-in	Integriert	built-in	Integriert	built-in	Integriert	built-in	Integriert
IPS30-S22PO55-A2P		IPS30-S22PO48-A12		IPS30-S22PO79-A12		IPS30-N25PO40-A2P		IPS30-N25PO55-A2P	
IPS30-S22PC55-A2P		IPS30-S22PC48-A12		IPS30-S22PC79-A12		IPS30-N25PC40-A2P		IPS30-N25PC55-A2P	
IPS30-S22NO55-A2P		IPS30-S22NO48-A12		IPS30-S22NO79-A12		IPS30-N25NO40-A2P		IPS30-N25NO55-A2P	
IPS30-S22NC55-A2P		IPS30-S22NC48-A12		IPS30-S22NC79-A12		IPS30-N25NC40-A2P		IPS30-N25NC55-A2P	



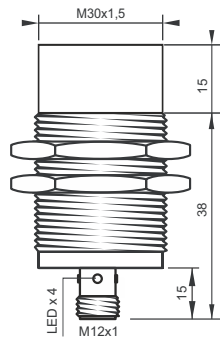
# INDUCTIVE

Unshielded  
Nicht bündig

**M30 - 25 mm**



Increased  
Erhöht

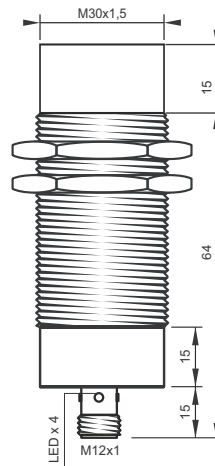


Unshielded  
Nicht bündig

**M30 - 25 mm**



Increased  
Erhöht

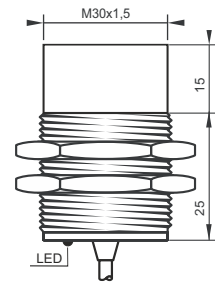


Unshielded  
Nicht bündig

**M30 - 40 mm**



Extended  
Erweitert



Housing	Bauform	M30x1.5		M30x1.5		M30x1.5	
Sensing Distance	Schaltabstand	25 mm		25 mm		40 mm	
Operating Voltage	Betriebsspannung	10...30 Vdc		10...30 Vdc		10...30 Vdc	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	100 Hz		100 Hz		100 Hz	
Operating Temperature	Betriebstemperatur	-25...75 °C		-25...75 °C		-25...75 °C	
Protection Class	Schutzklasse	IP67		IP67		IP67	
Sensing Face	Sensorfläche	PBT		PBT		PBT	
Housing	Gehäuse	Brass	Messing	Brass	Messing	Brass	Messing
Connection	Anschluss	Conn. M12	Stecker M12	Conn. M12	Stecker M12	PVC, Ultra-Flex	
Switching Indicator	Schaltanzeige	built-in	Integriert	built-in	Integriert	built-in	Integriert
<b>Part Number   Artikelnummer</b>							
PNP, NO		IPS30-N25PO53-A12		IPS30-N25PO79-A12		IPS30-N40PO40-A2P	
PNP, NC		IPS30-N25PC53-A12		IPS30-N25PC79-A12		IPS30-N40PC40-A2P	
PNP, NO+NC							
NPN, NO		IPS30-N25NO53-A12		IPS30-N25NO79-A12		IPS30-N40NO40-A2P	
NPN, NC		IPS30-N25NC53-A12		IPS30-N25NC79-A12		IPS30-N40NC40-A2P	
NPN, NO+NC							

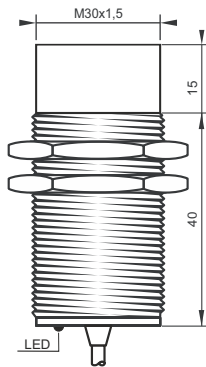


Unshielded  
Nicht bündig

**M30 - 40 mm**



Extended  
Erweitert

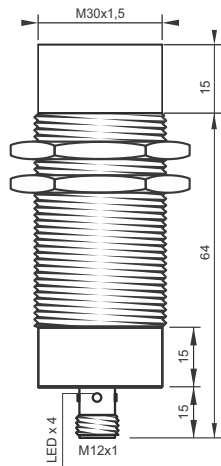


Unshielded  
Nicht bündig

**M30 - 40 mm**



Extended  
Erweitert

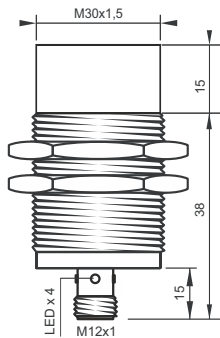


Unshielded  
Nicht bündig

**M30 - 40 mm**



Extended  
Erweitert



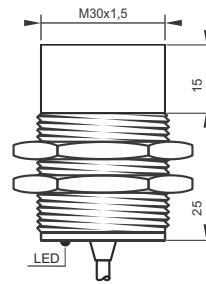
Unshielded  
Nicht bündig

**M30 - 50 mm**

NEW



Performance  
Hochleistung



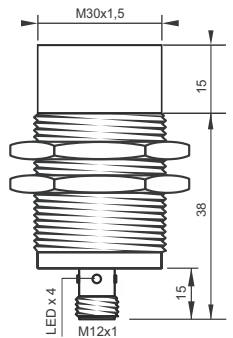
Unshielded  
Nicht bündig

**M30 - 50 mm**

NEW



Performance  
Hochleistung



M30x1.5		M30x1.5		M30x1.5		M30x1.5		M30x1.5	
40 mm		40 mm		40 mm		50 mm		50 mm	
10...30 Vdc		10...30 Vdc		10...30 Vdc		10...30 Vdc		10...30 Vdc	
200 mA		200 mA		200 mA		200 mA		200 mA	
100 Hz		100 Hz		100 Hz		100 Hz		100 Hz	
-25...75 °C		-25...75 °C		-25...75 °C		-25...75 °C		-25...75 °C	
IP67		IP67		IP67		IP67		IP67	
PBT		PBT		PBT		PBT		PBT	
Brass	Messing	Brass	Messing	Brass	Messing	Brass	Messing	Brass	Messing
PVC, Ultra-Flex		Conn. M12	Stecker M12	Conn. M12	Stecker M12	PVC, Ultra-Flex		Conn. M12	Stecker M12
built-in	Integriert	built-in	Integriert	built-in	Integriert	built-in	Integriert	built-in	Integriert
IPS30-N40PO55-A2P		IPS30-N40PO79-A12		IPS30-N40PO53-A12		IPS30-N50PO40-A2P		IPS30-N50PO53-A12	
IPS30-N40PC55-A2P		IPS30-N40PC79-A12		IPS30-N40PC53-A12		IPS30-N50PC40-A2P		IPS30-N50PC53-A12	
IPS30-N40NO55-A2P		IPS30-N40NO79-A12		IPS30-N40NO53-A12		IPS30-N50NO40-A2P		IPS30-N50NO53-A12	
IPS30-N40NC55-A2P		IPS30-N40NC79-A12		IPS30-N40NC53-A12		IPS30-N50NC40-A2P		IPS30-N50NC53-A12	



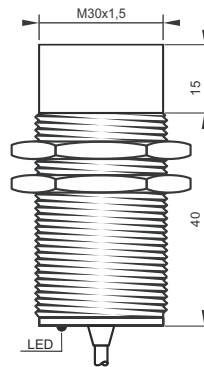
# INDUCTIVE

Unshielded  
Nicht bündig

**M30 - 50 mm**



Performance  
Hochleistung

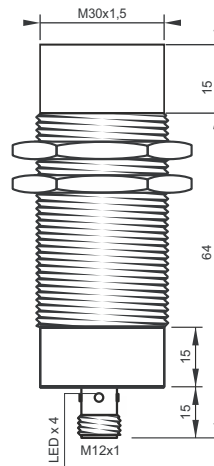


Unshielded  
Nicht bündig

**M30 - 50 mm**



Performance  
Hochleistung

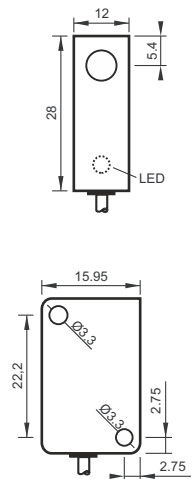


Shielded  
Bündig

**16x28 - 1 mm**



Standard



Housing	Bauform	M30x1.5	M30x1.5	16 x 28 x 12 mm
Sensing Distance	Schaltabstand	50 mm	50 mm	1 mm
Operating Voltage	Betriebsspannung	10...30 Vdc	10...30 Vdc	10...30 Vdc
Current Load Capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA
Switching Frequency	Schaltfrequenz	100 Hz	100 Hz	2000 Hz
Operating Temperature	Betriebstemperatur	-25...75 °C	-25...75 °C	-25...75 °C
Protection Class	Schutzklasse	IP67	IP67	IP67
Sensing Face	Sensorfläche	PBT	PBT	PBT
Housing	Gehäuse	Brass	Brass	PBT
Connection	Anschluss	Messing	Messing	
Switching Indicator	Schaltanzeige	PVC, Ultra-Flex	Conn. M12 Stecker M12	PVC, Ultra-Flex
		built-in Integriert	built-in Integriert	built-in Integriert
<b>Part Number   Artikelnummer</b>				
PNP, NO		IPS30-N50PO55-A2P	IPS30-N50PO79-A12	IPS1628-S1POS-A2P
PNP, NC		IPS30-N50PC55-A2P	IPS30-N50PC79-A12	IPS1628-S1PCS-A2P
PNP, NO+NC				
NPN, NO		IPS30-N50NO55-A2P	IPS30-N50NO79-A12	IPS1628-S1NOS-A2P
NPN, NC		IPS30-N50NC55-A2P	IPS30-N50NC79-A12	IPS1628-S12NCS-A2P
NPN, NO+NC				

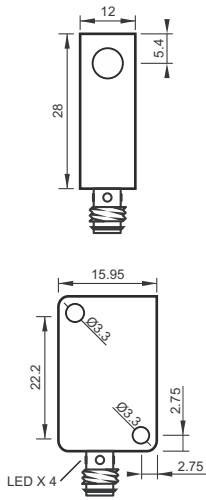


Shielded  
Bündig

**16x28 - 1 mm**



Standard

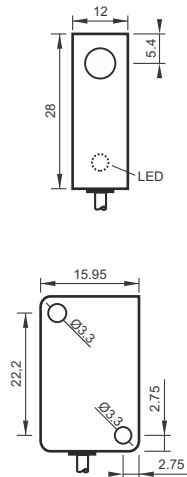


Unshielded  
Nicht bündig

**16x28 - 2 mm**



Standard

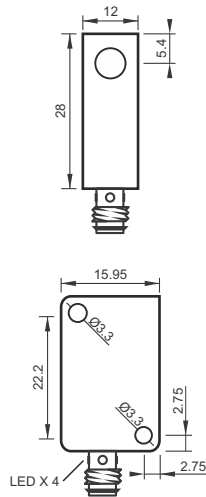


Unshielded  
Nicht bündig

**16x28 - 2 mm**



Standard

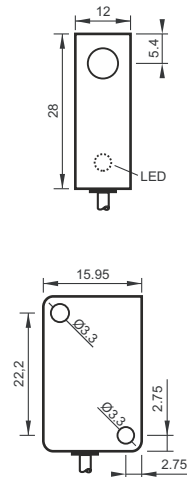


Shielded  
Bündig

**16x28 - 2 mm**



Increased  
Erhöht

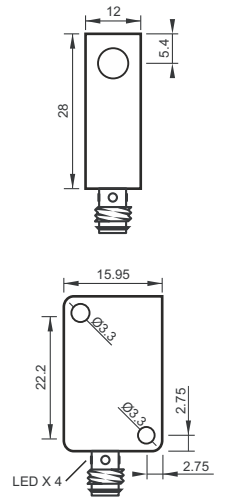


Shielded  
Bündig

**16x28 - 2 mm**



Increased  
Erhöht



**16 x 28 x 12 mm**

1 mm  
10...30 VDC  
200 mA  
2000 Hz  
-25...75 °C

IP67

PBT

PBT

Conn. M8 Stecker M8

built-in Integriert

**16 x 28 x 12 mm**

2 mm  
10...30 VDC  
200 mA  
2000 Hz  
-25...75 °C

IP67

PBT

PBT

PVC, Ultra-Flex

built-in Integriert

**16 x 28 x 12 mm**

2 mm  
10...30 VDC  
200 mA  
2000 Hz  
-25...75 °C

IP67

PBT

PBT

Conn. M8 Stecker M8

built-in Integriert

**16 x 28 x 12 mm**

2 mm  
10...30 VDC  
200 mA  
2000 Hz  
-25...75 °C

IP67

PBT

PBT

PVC, Ultra-Flex

built-in Integriert

**16 x 28 x 12 mm**

2 mm  
10...30 VDC  
200 mA  
2000 Hz  
-25...75 °C

IP67

PBT

PBT

Conn. M8 Stecker M8

built-in Integriert

IPS1628-S1POS-A8

IPS1628-S1PCS-A8

IPS1628-N2POS-A2P

IPS1628-N2PCS-A2P

IPS1628-N2POS-A8

IPS1628-N2PCS-A8

IPS1628-S2POS-A2P

IPS1628-S2PCS-A2P

IPS1628-S2POS-A8

IPS1628-S2PCS-A8

IPS1628-S1NOS-A8

IPS1628-S1NCS-A8

IPS1628-N2NOS-A2P

IPS1628-N2NCS-A2P

IPS1628-N2NOS-A8

IPS1628-N2NCS-A8

IPS1628-S2NOS-A2P

IPS1628-S2NCS-A2P

IPS1628-S2NOS-A8

IPS1628-S2NCS-A8

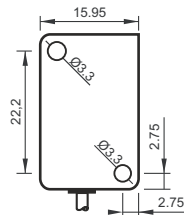
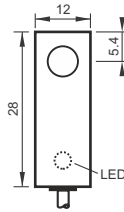


# INDUCTIVE

Semi-Shielded  
Quasi bündig  
**16x28 - 3 mm**



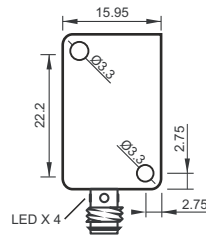
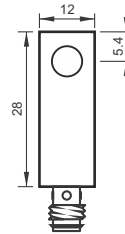
Extended  
Erweitert



Semi-Shielded  
Quasi bündig  
**16x28 - 3 mm**



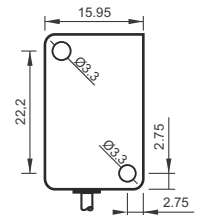
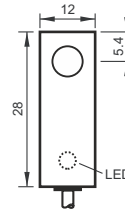
Extended  
Erweitert



Unshielded  
Nicht bündig  
**16x28 - 4 mm**



Increased  
Erhöht



Housing	Bauform	16 x 28 x 12 mm	16 x 28 x 12 mm	16 x 28 x 12 mm
Sensing Distance	Schaltabstand	3 mm	3 mm	4 mm
Operating Voltage	Betriebsspannung	10...30 Vdc	10...30 Vdc	10...30 Vdc
Current Load Capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA
Switching Frequency	Schaltfrequenz	2000 Hz	2000 Hz	2000 Hz
Operating Temperature	Betriebstemperatur	-25...75 °C	-25...75 °C	-25...75 °C
Protection Class	Schutzklasse	IP67	IP67	IP67
Sensing Face	Sensorfläche	PBT	PBT	PBT
Housing	Gehäuse	PBT	PBT	PBT
Connection	Anschluss	PVC, Ultra-Flex	Conn. M8    Stecker M8	PVC, Ultra-Flex
Switching Indicator	Schaltanzeige	built-in    Integriert	built-in    Integriert	built-in    Integriert

**Part Number | Artikelnummer**

PNP, NO		IPS1628-S3POS-A2P	IPS1628-S3POS-A8	IPS1628-N4POS-A2P
PNP, NC		IPS1628-S3PCS-A2P	IPS1628-S3PCS-A8	IPS1628-N4PCS-A2P
PNP, NO+NC				
NPN, NO		IPS1628-S3NOS-A2P	IPS1628-S3NOS-A8	IPS1628-S2NOS-A2P
NPN, NC		IPS1628-S3NCS-A2P	IPS1628-S3NCS-A8	IPS1628-S2NCS-A2P
NPN, NO+NC				



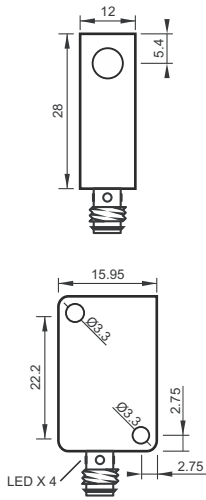


Unshielded  
Nicht bündig

**16x28 - 4 mm**



Increased  
Erhöht

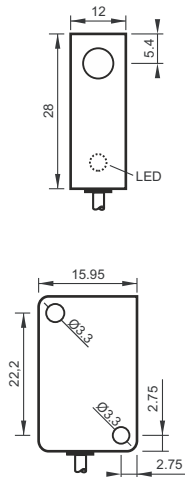


Unshielded  
Nicht bündig

**16x28 - 6 mm**



Extended  
Erweitert

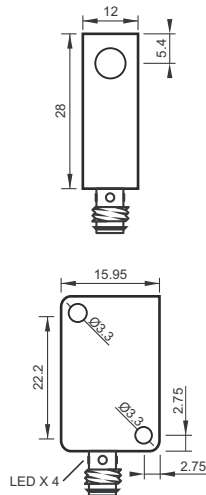


Unshielded  
Nicht bündig

**16x28 - 6 mm**



Extended  
Erweitert

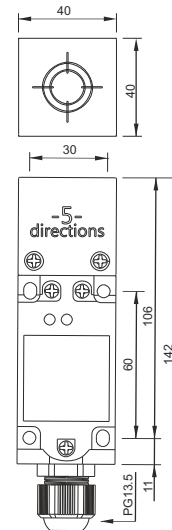


Shielded  
Bündig

**40x40 - 15mm**



Standard

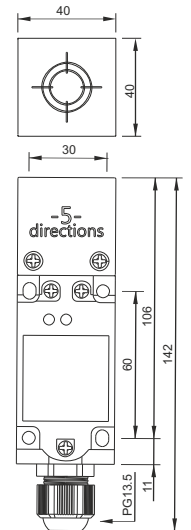


Shielded  
Bündig

**40x40 - 20mm**



Increased  
Erhöht



**16 x 28 x 12 mm**

4 mm  
10...30 VDC  
200 mA  
2000 Hz  
-25...75 °C

IP67  
PBT  
PBT  
Conn. M8    Stecker M8  
built-in    Integriert

IPS1628-N4POS-A8  
IPS1628-N4PCS-A8

**16 x 28 x 12 mm**

6 mm  
10...30 VDC  
200 mA  
2000 Hz  
-25...75 °C

IP67  
PBT  
PBT  
PVC, Ultra-Flex  
built-in    Integriert

IPS1628-N6POS-A2P  
IPS1628-N6PCS-A2P

**16 x 28 x 12 mm**

6 mm  
10...30 VDC  
200 mA  
2000 Hz  
-25...75 °C

IP67  
PBT  
PBT  
Conn. M8    Stecker M8  
built-in    Integriert

IPS1628-N6POS-A8  
IPS1628-N6PCS-A8

**40x40 mm**

15 mm  
10...30 VDC  
200 mA  
120 Hz  
-25...75 °C

IP67  
PBT  
PBT  
Terminal    Klemme  
built-in    Integriert

IPS40-S15PCOL-PG13

IPS40-S15NCOL-PG13

**40x40 mm**

20 mm  
10...30 VDC  
200 mA  
120 Hz  
-25...75 °C

IP67  
PBT  
PBT  
Terminal    Klemme  
built-in    Integriert

IPS40-S20PCOL-PG13

IPS40-S20NCOL-PG13



XECRO reserves the right to make minor changes without prior notification.  
XECRO behält sich das Recht vor, geringfügige Anpassungen jederzeit durchzuführen.

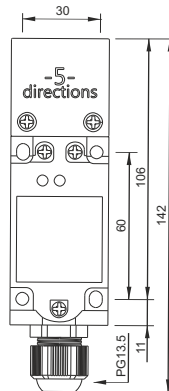
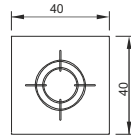
# INDUCTIVE

Semi-Shielded  
Quasi bündig

40x40 - 25mm



Extended  
Erweitert

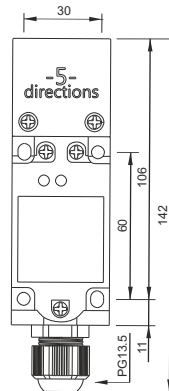
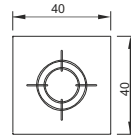


Unshielded  
Nicht bündig

40x40 - 30mm



Increased  
Erhöht

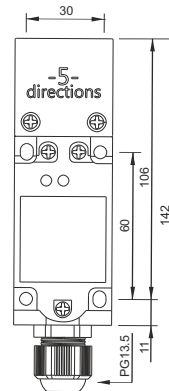
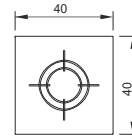


Unshielded  
Nicht bündig

40x40 - 40mm



Extended  
Erweitert



Housing	Bauform	40x40 mm		40x40 mm		40x40 mm	
Sensing Distance	Schaltabstand	25 mm		30 mm		40 mm	
Operating Voltage	Betriebsspannung	10...30 Vdc		10...30 Vdc		10...30 Vdc	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	120 Hz		120 Hz		120 Hz	
Operating Temperature	Betriebstemperatur	-25...75 °C		-25...75 °C		-25...75 °C	
Protection Class	Schutzklasse	IP67		IP67		IP67	
Sensing Face	Sensorfläche	PBT		PBT		PBT	
Housing	Gehäuse	PBT		PBT		PBT	
Connection	Anschluss	Terminal	Klemme	Terminal	Klemme	Terminal	Klemme
Switching Indicator	Schaltanzeige	built-in	Integriert	built-in	Integriert	built-in	Integriert

**Part Number | Artikelnummer**

PNP, NO				
PNP, NC				
PNP, NO+NC		IPS40-S25PCOL-PG13	IPS40-N30PCOL-PG13	IPS40-N40PCOL-PG13
NPN, NO				
NPN, NC				
NPN, NO+NC		IPS40-S25NCOL-PG13	IPS40-N30NCOL-PG13	IPS40-N40NCOL-PG13





# INDUCTIVE

Ø 6 mm - static  
Ø 6 mm - statisch

Ø 1.0 mm



Ø 6 mm - static  
Ø 6 mm - statisch

Ø 1.0 mm

NEW

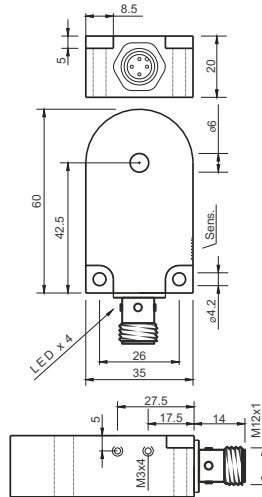


Ø 10 mm - static  
Ø 10 mm - statisch

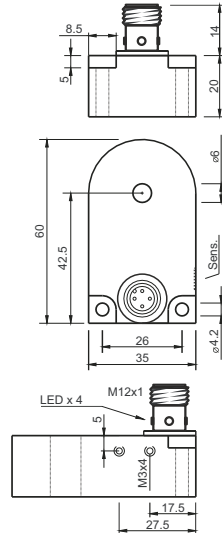
Ø 1.5 mm



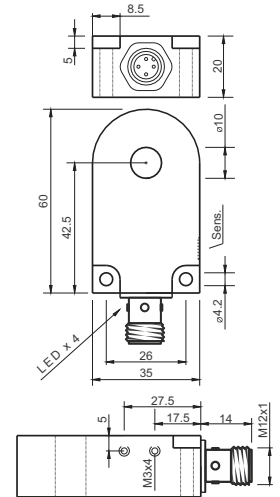
Static  
Statisch



Static  
Statisch



Static  
Statisch



Diameter	Durchmesser	Ø 6 mm	Ø 6 mm	Ø 10 mm
Sensitivity	Empfindlichkeit	Ø1 mm	Ø1 mm	Ø1.5 mm
Reverse Polarity Protection	Verpolungsschutz	built-in	built-in	built-in
Short Circuit Protection	Kurzschlusschutz	built-in - self resetting	built-in - self resetting	built-in - self resetting
Object Speed - Min. / Max.	Objektgeschwindigkeit	-   45 mS (147 ft/s)	-   45 mS (147 ft/s)	-   45 mS (147 ft/s)
Operating Temperature	Betriebstemperatur	-25... +70°C	-25... +70°C	-25... +70°C
Protection Class	Schutzklasse	IP67	IP67	IP67
Ring Material	Ring Material	Nylon, PA66	Nylon, PA66	Nylon, PA66
Housing Material	Gehäuse	PBT	PBT	PBT
Connected	Anschluss	Connector M12	Connector M12	Connector M12
Output Indicator	Schaltanzeige	built-in    Integriert	built-in    Integriert	built-in    Integriert
<b>Part Number   Artikelnummer</b>				
PNP, NO		IR06S-PO100-A12	IR06S-PO100-RA12	IR10S-PO100-A12
PNP, NC		IR06S-PC100-A12	IR06S-PC100-RA12	IR10S-PC100-A12
NPN, NO		IR06S-NO100-A12	IR06S-NO100-RA12	IR10S-NO100-A12
NPN, NC		IR06S-NC100-A12	IR06S-NC100-RA12	IR10S-NC100-A12



Ø 10 mm - static  
Ø 10 mm - statisch

Ø 1.5 mm

NEW



Ø 15 mm - static  
Ø 15 mm - statisch

Ø 2.0 mm



Ø 15 mm - static  
Ø 15 mm - statisch

Ø 2.0 mm

NEW



Ø 21 mm - static  
Ø 21 mm - statisch

Ø 2.8 mm



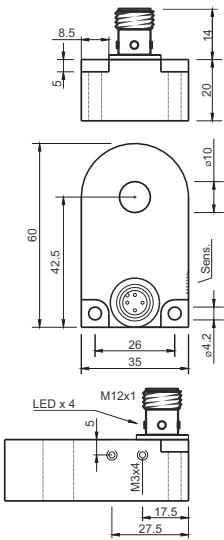
Ø 21 mm - static  
Ø 21 mm - statisch

Ø 2.8 mm

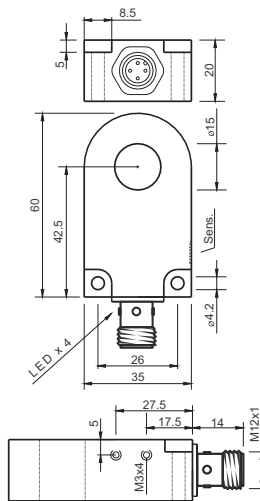
NEW



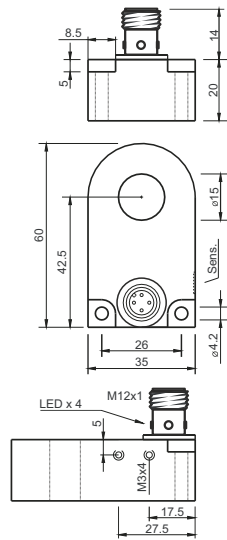
Static  
Statisch



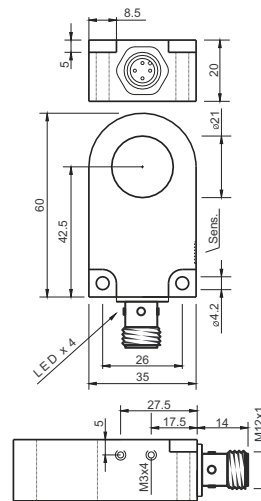
Static  
Statisch



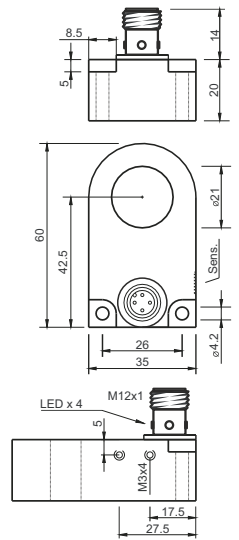
Static  
Statisch



Static  
Statisch



Static  
Statisch



Ø 10 mm

Ø 15 mm

Ø 15 mm

Ø 21 mm

Ø 21 mm

Ø1.5 mm

Ø2 mm

Ø2 mm

Ø2.5 mm

Ø2.5 mm

built-in

built-in

built-in

built-in

built-in

built-in - self resetting  
- | 45 mS (147 ft/s)

built-in - self resetting  
- | 40 mS (131 ft/s)

built-in - self resetting  
- | 40 mS (131 ft/s)

built-in - self resetting  
- | 35 mS (115 ft/s)

built-in - self resetting  
- | 35 mS (115 ft/s)

-25... +70°C

-25... +70°C

-25... +70°C

-25... +70°C

-25... +70°C

IP67

IP67

IP67

IP67

IP67

Nylon, PA66

Nylon, PA66

Nylon, PA66

Nylon, PA66

Nylon, PA66

PBT

PBT

PBT

PBT

PBT

Connector M12

Connector M12

Connector M12

Connector M12

Connector M12

built-in Integriert

built-in Integriert

built-in Integriert

built-in Integriert

built-in Integriert

IR10S-PO100-RA12

IR15S-PO100-A12

IR15S-PO100-RA12

IR21S-PO100-A12

IR21S-PO100-RA12

IR10S-PC100-RA12

IR15S-PC100-A12

IR15S-PC100-RA12

IR21S-PC100-A12

IR21S-PC100-RA12

IR10S-NO100-RA12

IR15S-NO100-A12

IR15S-NO100-RA12

IR21S-NO100-A12

IR21S-NO100-RA12

IR10S-NC100-RA12

IR15S-NC100-A12

IR15S-NC100-RA12

IR21S-NC100-A12

IR21S-NC100-RA12



## VARIANTS

2-wire DC - 10... 55 VDC

2-wire AC - 20... 250 VAC

2-wire NAMUR

## VARIANTEN

2-adrig DC - 10... 55 VDC

2-adrig AC - 20... 250 VAC

2-adrig NAMUR

TWO-WIRE

# 2-WIRE CONNECTED

## Inductive Sensors



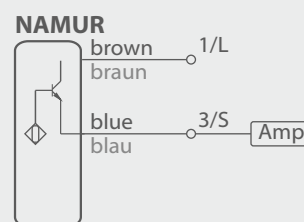
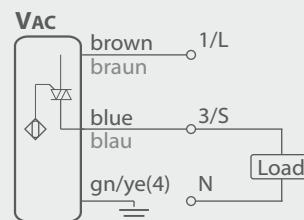
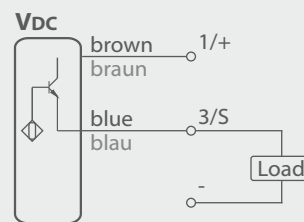
### Caution

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

### Achtung

alle Geräte in diesem Abschnitt dürfen nicht verwendet werden, wenn die Sicherheit von Personen von deren einwandfreier Funktion abhängig ist!

## CONNECTION



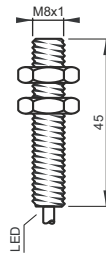
# INDUCTIVE

Shielded Bündig

M8 - 1 mm



Standard

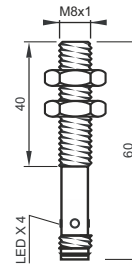


Shielded Bündig

M8 - 1 mm



Standard

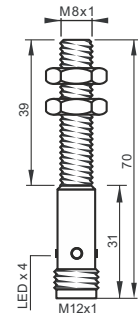


Shielded Bündig

M8 - 1 mm



Standard



Housing	Bauform	M8x1	M8x1	M8x1
Sensing Distance	Schaltabstand	1 mm	1 mm	1 mm
Operating Voltage	Betriebsspannung	10...55 Vdc	10...55 Vdc	10...55 Vdc
Current Load Capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA
Switching Frequency	Schaltfrequenz	2000 Hz	2000 Hz	2000 Hz
Operating Temperature	Betriebstemperatur	-25...75 °C	-25...75 °C	-25...75 °C
Protection Class	Schutzklasse	IP67	IP67	IP67
Sensing Face	Sensorfläche	PBT	PBT	PBT
Housing	Gehäuse	Stainless Steel Edelstahl	Stainless Steel Edelstahl	Stainless Steel Edelstahl
Connection	Anschluss	PVC, Ultra-Flex	Conn. M8 Stecker M8	Conn. M12 Stecker M12
Switching Indicator	Schaltanzeige	built-in Integriert	built-in Integriert	built-in Integriert
<b>Part Number   Artikelnummer</b>				
NO - 10... 55 VDC		IPS8-S1DO45-A2P	IPS8-S1DO60-A8	IPS8-S1DO70-A12
NC - 10... 55 VDC		IPS8-S1DC45-A2P	IPS8-S1DC60-A8	IPS8-S1DC70-A12



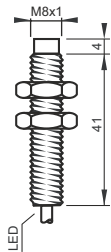


Unshielded  
Nicht bündig

**M8 - 2 mm**



Standard

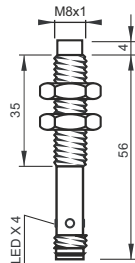


Unshielded  
Nicht bündig

**M8 - 2 mm**



Standard

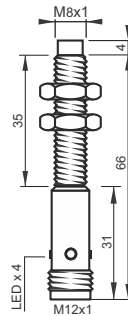


Unshielded  
Nicht bündig

**M8 - 2 mm**



Standard

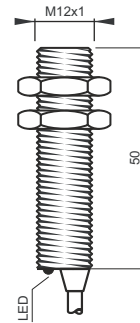


Shielded  
Bündig

**M12 - 2 mm**



Standard

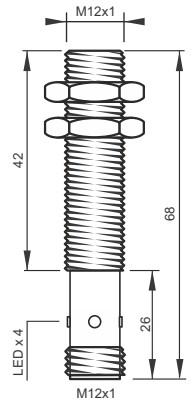


Shielded  
Bündig

**M12 - 2 mm**



Standard



**M8x1**

2 mm  
10...55 VDC  
200 mA  
2000 Hz  
-25...75 °C  
IP67  
PBT  
Stainless Steel   Edelstahl  
PVC, Ultra-Flex  
built-in   Integriert

**M8x1**

2 mm  
10...55 VDC  
200 mA  
2000 Hz  
-25...75 °C  
IP67  
PBT  
Stainless Steel   Edelstahl  
Conn. M8   Stecker M8  
built-in   Integriert

**M8x1**

2 mm  
10...55 VDC  
200 mA  
2000 Hz  
-25...75 °C  
IP67  
PBT  
Stainless Steel   Edelstahl  
Conn. M12   Stecker M12  
built-in   Integriert

**M12x1**

2 mm  
10...55 VDC  
200 mA  
2000 Hz  
-25...75 °C  
IP67  
PBT  
Brass   Messing  
PVC, Ultra-Flex  
built-in   Integriert

**M12x1**

2 mm  
10...55 VDC  
200 mA  
2000 Hz  
-25...75 °C  
IP67  
PBT  
Brass   Messing  
Conn. M12   Stecker M12  
built-in   Integriert

IPS8-N2DO45-A2P  
IPS8-N2DC45-A2P

IPS8-N2DO60-A8  
IPS8-N2DC60-A8

IPS8-N2DO70-A12  
IPS8-N2DC70-A12

IPS12-S2DO50-A2P  
IPS12-S2DC50-A2P

IPS12-S2DO68-A12  
IPS12-S2DC68-A12



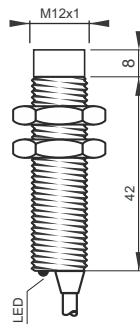
# INDUCTIVE

Unshielded  
Nicht bündig

**M12 - 4 mm**



Standard

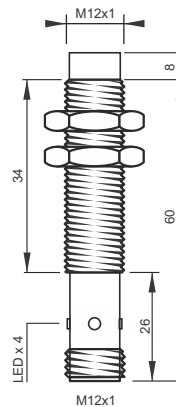


Unshielded  
Nicht bündig

**M12 - 4 mm**



Standard

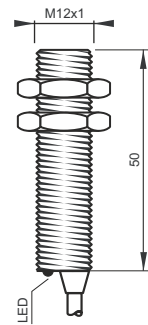


Shielded  
Bündig

**M12 - 4 mm**



Increased  
Erhöht



Housing	Bauform	M12x1	M12x1	M12x1	
Sensing Distance	Schaltabstand	4 mm	4 mm	4 mm	
Operating Voltage	Betriebsspannung	10...55 Vdc	10...55 Vdc	10...55 Vdc	
Current Load Capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA	
Switching Frequency	Schaltfrequenz	1000 Hz	1000 Hz	1000 Hz	
Operating Temperature	Betriebstemperatur	-25...75 °C	-25...75 °C	-25...75 °C	
Protection Class	Schutzklasse	IP67	IP67	IP67	
Sensing Face	Sensorfläche	PBT	PBT	PBT	
Housing	Gehäuse	Brass	Messing	Brass	Messing
Connection	Anschluss	PVC, Ultra-Flex	Conn. M12	Stecker M12	PVC, Ultra-Flex
Switching Indicator	Schaltanzeige	built-in	Integriert	built-in	Integriert

**Part Number | Artikelnummer**

NO - 10... 55 VDC		IPS12-N4DO50-A2P	IPS12-N4DO68-A12	IPS12-S4DO50-A2P
NC - 10... 55 VDC		IPS12-N4DC50-A2P	IPS12-N4DC68-A12	IPS12-S4DC50-A2P

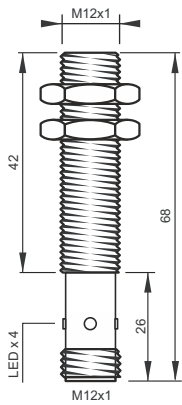


Shielded  
Bündig

**M12 - 4 mm**



Increased  
Erhöht

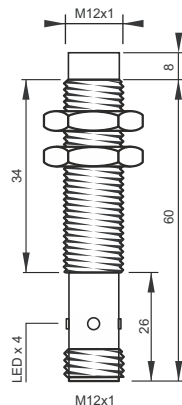


Unshielded  
Nicht bündig

**M12 - 8 mm**



Increased  
Erhöht

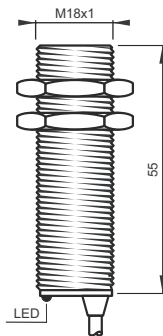


Shielded  
Bündig

**M18 - 5 mm**



Standard

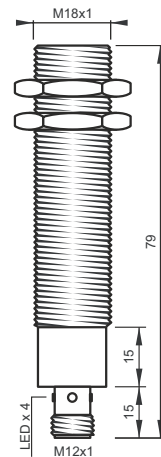


Shielded  
Bündig

**M18 - 5 mm**



Standard

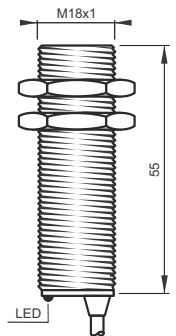


Shielded  
Bündig

**M18 - 8 mm**



Increased  
Erhöht



**M12x1**

4 mm  
10...55 Vdc  
200 mA  
1000 Hz  
-25...75 °C

IP67

PBT Brass Messing

Conn. M12 Stecker M12

built-in Integriert

IPS12-S4DO68-A12

IPS12-S4DC68-A12

**M12x1**

8 mm  
10...55 Vdc  
200 mA  
500 Hz  
-25...75 °C

IP67

PBT Brass Messing

Conn. M12 Stecker M12

built-in Integriert

IPS12-N8DO68-A12

IPS12-N8DC68-A12

**M18x1**

5 mm  
10...55 Vdc  
200 mA  
1000 Hz  
-25...75 °C

IP67

PBT Brass Messing

PVC, Ultra-Flex

built-in Integriert

IPS18-S5DO55-A2P

IPS18-S5DC55-A2P

**M18x1**

5 mm  
10...55 Vdc  
200 mA  
1000 Hz  
-25...75 °C

IP67

PBT Brass Messing

Conn. M12 Stecker M12

built-in Integriert

IPS18-S5DO79-A12

IPS18-S5DC79-A12

**M18x1**

8 mm  
10...55 Vdc  
200 mA  
500 Hz  
-25...75 °C

IP67

PBT Brass Messing

PVC, Ultra-Flex

built-in Integriert

IPS18-S8DO55-A2P

IPS18-S8DC55-A2P



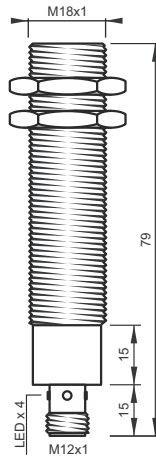
# INDUCTIVE

Shielded  
Bündig

**M18 - 8 mm**



Increased  
Erhöht

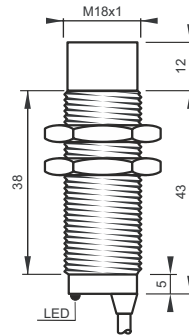


Unshielded  
Nicht bündig

**M18 - 8 mm**



Standard

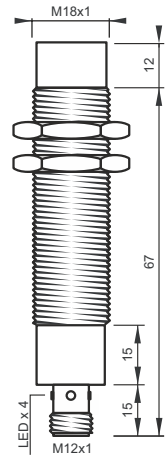


Unshielded  
Nicht bündig

**M18 - 8 mm**



Standard



Housing	Bauform	M18x1		M18x1		M18x1	
Sensing Distance	Schaltabstand	8 mm		8 mm		8 mm	
Operating Voltage	Betriebsspannung	10...55 Vdc		10...55 Vdc		10...55 Vdc	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	500 Hz		500 Hz		500 Hz	
Operating Temperature	Betriebstemperatur	-25...75 °C		-25...75 °C		-25...75 °C	
Protection Class	Schutzklasse	IP67		IP67		IP67	
Sensing Face	Sensorfläche	PBT		PBT		PBT	
Housing	Gehäuse	Brass	Messing	Brass	Messing	Brass	Messing
Connection	Anschluss	Conn. M12	Stecker M12	PVC, Ultra-Flex		Conn. M12	Stecker M12
Switching Indicator	Schaltanzeige	built-in	Integriert	built-in	Integriert	built-in	Integriert
<b>Part Number   Artikelnummer</b>							
NO - 10... 55 VDC		IPS18-S8DO79-A12		IPS18-N8DO55-A2P		IPS18-N8DO79-A12	
NC - 10... 55 VDC		IPS18-S8DC79-A12		IPS18-N8DC55-A2P		IPS18-N8DC79-A12	

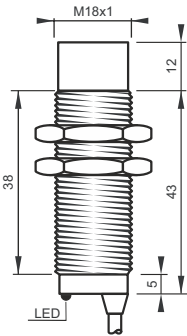


Unshielded  
Nicht bündig

**M18 - 16 mm**



Increased  
Erhöht

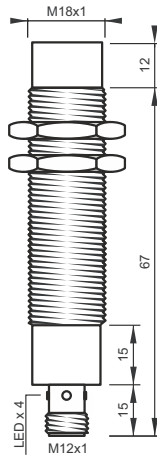


Unshielded  
Nicht bündig

**M18 - 16 mm**



Increased  
Erhöht

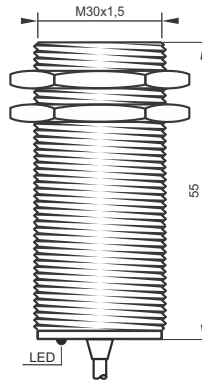


Shielded  
Bündig

**M30 - 10 mm**



Standard

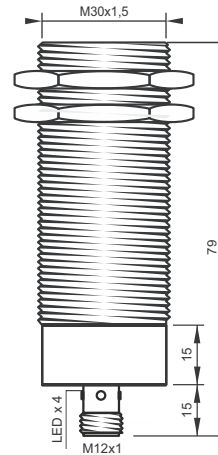


Shielded  
Bündig

**M30 - 10 mm**



Standard

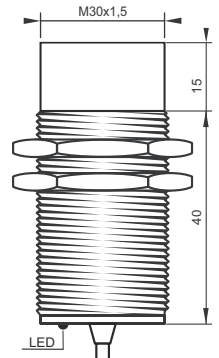


Unshielded  
Nicht bündig

**M30 - 15 mm**



Standard



**M18x1**

16 mm  
10...55 VDC  
200 mA  
150 Hz  
-25...75 °C  
IP67  
PBT  
Brass Messing  
PVC, Ultra-Flex  
built-in Integriert

**M18x1**

16 mm  
10...55 VDC  
200 mA  
150 Hz  
-25...75 °C  
IP67  
PBT  
Brass Messing  
Conn. M12 Stecker M12  
built-in Integriert

**M30x1.5**

10 mm  
10...55 VDC  
200 mA  
300 Hz  
-25...75 °C  
IP67  
PBT  
Brass Messing  
PVC, Ultra-Flex  
built-in Integriert

**M30x1.5**

10 mm  
10...55 VDC  
200 mA  
300 Hz  
-25...75 °C  
IP67  
PBT  
Brass Messing  
Conn. M12 Stecker M12  
built-in Integriert

**M30x1.5**

15 mm  
10...55 VDC  
200 mA  
150 Hz  
-25...75 °C  
IP67  
PBT  
Brass Messing  
PVC, Ultra-Flex  
built-in Integriert

IPS18-N16DO55-A2P  
IPS18-N16DC55-A2P

IPS18-N16DO79-A12  
IPS18-N16DC79-A12

IPS30-S10DO55-A2P  
IPS30-S10DC55-A2P

IPS30-S10DO79-A12  
IPS30-S10DC79-A12

IPS30-N15DO55-A2P  
IPS30-N15DC55-A2P



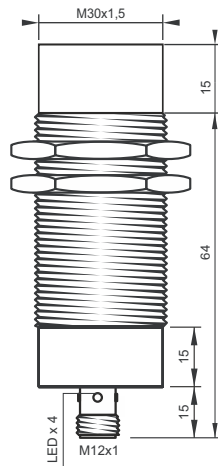
# INDUCTIVE

Unshielded  
Nicht bündig

**M30 - 15 mm**



Standard

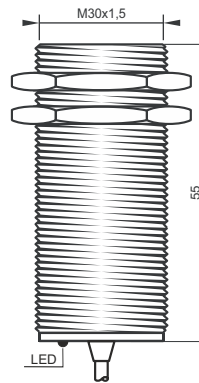


Shielded  
Bündig

**M30 - 16 mm**



Increased  
Erhöht

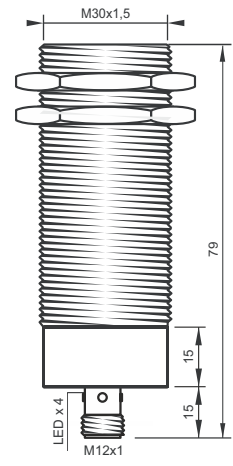


Shielded  
Bündig

**M30 - 16 mm**



Increased  
Erhöht



Housing	Bauform	M30x1.5		M30x1.5		M30x1.5	
Sensing Distance	Schaltabstand	15 mm		16 mm		16 mm	
Operating Voltage	Betriebsspannung	10...55 Vdc		10...55 Vdc		10...55 Vdc	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	150 Hz		150 Hz		150 Hz	
Operating Temperature	Betriebstemperatur	-25...75 °C		-25...75 °C		-25...75 °C	
Protection Class	Schutzklasse	IP67		IP67		IP67	
Sensing Face	Sensorfläche	PBT		PBT		PBT	
Housing	Gehäuse	Brass	Messing	Brass	Messing	Brass	Messing
Connection	Anschluss	Conn. M12	Stecker M12	PVC, Ultra-Flex		Conn. M12	Stecker M12
Switching Indicator	Schaltanzeige	built-in	Integriert	built-in	Integriert	built-in	Integriert
<b>Part Number   Artikelnummer</b>							
NO - 10... 55 VDC		IPS30-N15DO79-A12		IPS30-S16DO55-A2P		IPS30-S16DO79-A12	
NC - 10... 55 VDC		IPS30-N15DC79-A12		IPS30-S16DC55-A2P		IPS30-S16DC79-A12	

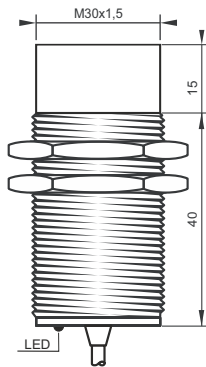


Unshielded  
Nicht bündig

**M30 - 25 mm**



Increased  
Erhöht

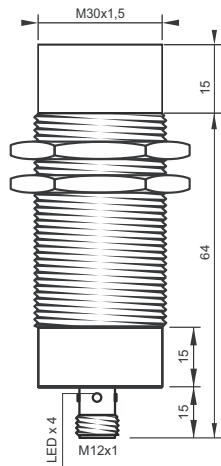


Unshielded  
Nicht bündig

**M30 - 25 mm**



Increased  
Erhöht

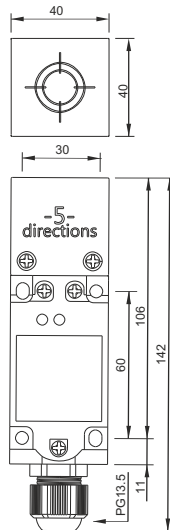


Shielded  
Bündig

**40x40 - 15mm**



Standard

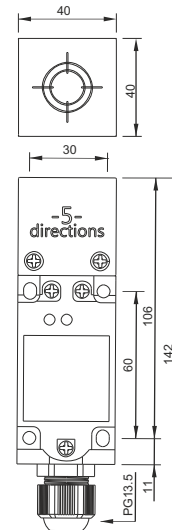


Shielded  
Bündig

**40x40 - 20mm**



Increased  
Erhöht

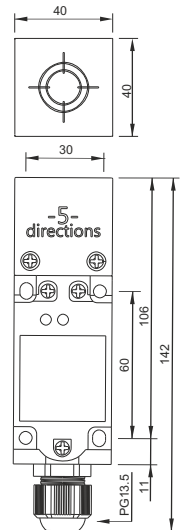


Unshielded  
Nicht bündig

**40x40 - 30mm**



Increased  
Erhöht



**M30x1.5**

25 mm  
10...55 Vdc  
200 mA  
100 Hz  
-25...75 °C  
IP67  
PBT  
Brass    Messing  
PVC, Ultra-Flex  
built-in    Integriert

**M30x1.5**

25 mm  
10...55 Vdc  
200 mA  
100 Hz  
-25...75 °C  
IP67  
PBT  
Brass    Messing  
Conn. M12    Stecker M12  
built-in    Integriert

**40x40 mm**

15 mm  
10...55 Vdc  
200 mA  
120 Hz  
-25...75 °C  
IP67  
PBT  
Terminal    Klemme  
built-in    Integriert

**40x40 mm**

20 mm  
10...55 Vdc  
200 mA  
120 Hz  
-25...75 °C  
IP67  
PBT  
Terminal    Klemme  
built-in    Integriert

**40x40 mm**

30 mm  
10...55 Vdc  
200 mA  
120 Hz  
-25...75 °C  
IP67  
PBT  
Terminal    Klemme  
built-in    Integriert

IPS30-N25DO55-A2P  
IPS30-N25DC55-A2P

IPS30-N25DO79-A12  
IPS30-N25DC79-A12

IPS40-S15DOL-PG13  
IPS40-S15DCL-PG13

IPS40-S20DOL-PG13  
IPS40-S20DCL-PG13

IPS40-N30DOL-PG13  
IPS40-N30DCL-PG13



XECRO reserves the right to make minor changes without prior notification.  
XECRO behält sich das Recht vor, geringfügige Anpassungen jederzeit durchzuführen.

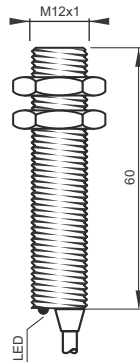
# INDUCTIVE

Shielded Bündig

M12 - 2 mm



Standard

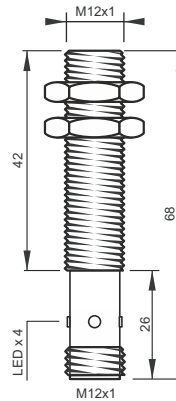


Shielded Bündig

M12 - 2 mm



Standard

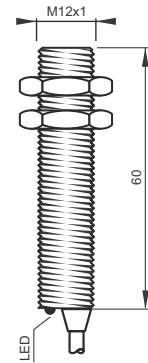


Shielded Bündig

M12 - 4 mm



Increased Erhöht



Housing	Bauform	M12x1		M12x1		M12x1	
Sensing Distance	Schaltabstand	2 mm		2 mm		4 mm	
Operating Voltage	Betriebsspannung	20... 250 VAC		20... 250 VAC		20... 250 VAC	
Current Load Capability	Ausgangsbelastbarkeit	400 mA		400 mA		400 mA	
Switching Frequency	Schaltfrequenz	25 Hz		25 Hz		25 Hz	
Operating Temperature	Betriebstemperatur	-25...75 °C		-25...75 °C		-25...75 °C	
Protection Class	Schutzklasse	IP67		IP67		IP67	
Sensing Face	Sensorfläche	PBT		PBT		PBT	
Housing	Gehäuse	Brass	Messing	Brass	Messing	Brass	Messing
Connection	Anschluss	PVC, Ultra-Flex		Conn. M12	Stecker M12	PVC, Ultra-Flex	
Switching Indicator	Schaltanzeige	built-in	Integriert	built-in	Integriert	built-in	Integriert
<b>Part Number   Artikelnummer</b>							
NO - 20... 250 VAC		IPS12-S2AO60-A2P		IPS12-S2AO68-A12		IPS12-S4AO60-A2P	
NC - 20... 250 VAC		IPS12-S2AC60-A2P		IPS12-S2AC68-A12		IPS12-S4AC60-A2P	



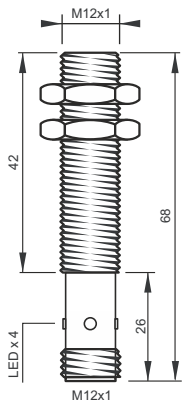


Shielded  
Bündig

**M12 - 4 mm**



Increased  
Erhöht

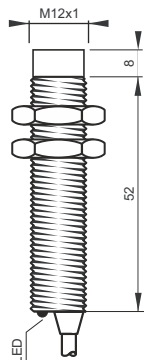


Unshielded  
Nicht bündig

**M12 - 4 mm**



Standard

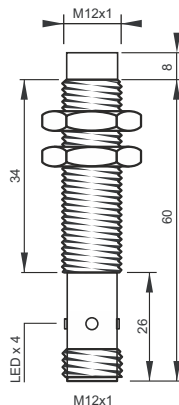


Unshielded  
Nicht bündig

**M12 - 4 mm**



Standard

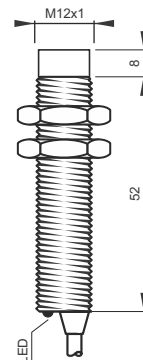


Unshielded  
Nicht bündig

**M12 - 8 mm**



Increased  
Erhöht

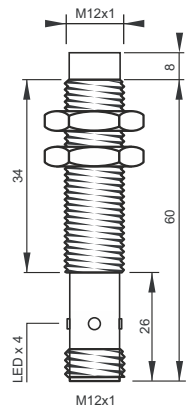


Unshielded  
Nicht bündig

**M12 - 8 mm**



Increased  
Erhöht



M12x1		M12x1		M12x1		M12x1		M12x1	
4 mm		4 mm		4 mm		8 mm		8 mm	
20... 250 VAC		20... 250 VAC		20... 250 VAC		20... 250 VAC		20... 250 VAC	
400 mA		400 mA		400 mA		400 mA		400 mA	
25 Hz		25 Hz		25 Hz		25 Hz		25 Hz	
-25...75 °C		-25...75 °C		-25...75 °C		-25...75 °C		-25...75 °C	
IP67		IP67		IP67		IP67		IP67	
PBT		PBT		PBT		PBT		PBT	
Brass	Messing	Brass	Messing	Brass	Messing	Brass	Messing	Brass	Messing
Conn. M12	Stecker M12	PVC, Ultra-Flex		Conn. M12	Stecker M12	PVC, Ultra-Flex		Conn. M12	Stecker M12
built-in	Integriert	built-in	Integriert	built-in	Integriert	built-in	Integriert	built-in	Integriert
IPS12-S4AO68-A12		IPS12-N4AO60-A2P		IPS12-N4AO68-A12		IPS12-N8AO60-A2P		IPS12-N8AO68-A12	
IPS12-S4AC68-A12		IPS12-N4AC60-A2P		IPS12-N4AC68-A12		IPS12-N8AC60-A2P		IPS12-N8AC68-A12	



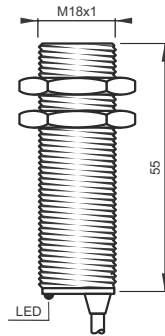
# INDUCTIVE

Shielded Bündig

**M18 - 5 mm**



Standard



Shielded Bündig

**M18 - 5 mm**



Standard

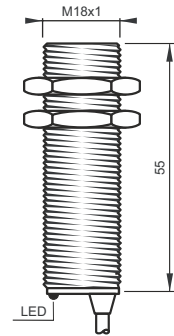


Shielded Bündig

**M18 - 8 mm**



Increased Erhöht



Housing	Bauform	M18x1		M18x1		M18x1	
Sensing Distance	Schaltabstand	5 mm		5 mm		8 mm	
Operating Voltage	Betriebsspannung	20... 250 VAC		20... 250 VAC		20... 250 VAC	
Current Load Capability	Ausgangsbelastbarkeit	400 mA		400 mA		400 mA	
Switching Frequency	Schaltfrequenz	25 Hz		25 Hz		25 Hz	
Operating Temperature	Betriebstemperatur	-25...75 °C		-25...75 °C		-25...75 °C	
Protection Class	Schutzklasse	IP67		IP67		IP67	
Sensing Face	Sensorfläche	PBT		PBT		PBT	
Housing	Gehäuse	Brass	Messing	Brass	Messing	Brass	Messing
Connection	Anschluss	PVC, Ultra-Flex		Conn. M12	Stecker M12	PVC, Ultra-Flex	
Switching Indicator	Schaltanzeige	built-in	Integriert	built-in	Integriert	built-in	Integriert
<b>Part Number   Artikelnummer</b>							
NO - 20... 250 VAC		IPS18-S5AO55-A2P		IPS18-S5AO79-A12		IPS18-S8AO55-A2P	
NC - 20... 250 VAC		IPS18-S5AC55-A2P		IPS18-S5AC79-A12		IPS18-S8AC55-A2P	

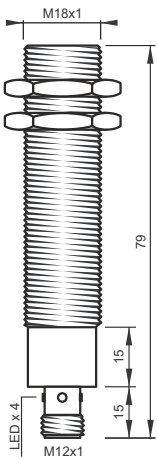


Shielded  
Bündig

**M18 - 8 mm**



Increased  
Erhöht

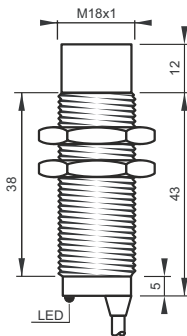


Unshielded  
Nicht bündig

**M18 - 8 mm**



Standard

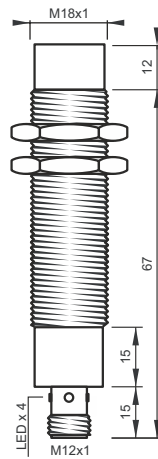


Unshielded  
Nicht bündig

**M18 - 8 mm**



Standard

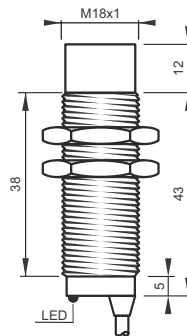


Unshielded  
Nicht bündig

**M18 - 16 mm**



Standard

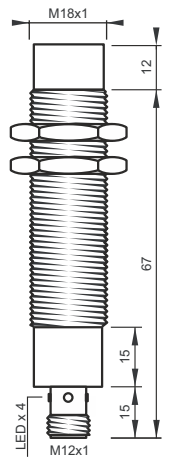


Unshielded  
Nicht bündig

**M18 - 16 mm**



Increased  
Erhöht



**M18x1**

8 mm  
20... 250 VAC  
400 mA  
25 Hz  
-25...75 °C

IP67

PBT  
Brass    Messing  
Conn. M12    Stecker M12  
built-in    Integriert

IPS18-S8AO79-A12  
IPS18-S8AC79-A12

**M18x1**

8 mm  
20... 250 VAC  
400 mA  
25 Hz  
-25...75 °C

IP67

PBT  
Brass    Messing  
PVC, Ultra-Flex  
built-in    Integriert

IPS18-N8AO55-A2P  
IPS18-N8AC55-A2P

**M18x1**

8 mm  
20... 250 VAC  
400 mA  
25 Hz  
-25...75 °C

IP67

PBT  
Brass    Messing  
Conn. M12    Stecker M12  
built-in    Integriert

IPS18-N8AO79-A12  
IPS18-N8AC79-A12

**M18x1**

16 mm  
20... 250 VAC  
400 mA  
25 Hz  
-25...75 °C

IP67

PBT  
Brass    Messing  
PVC, Ultra-Flex  
built-in    Integriert

IPS18-N16AO55-A2P  
IPS18-N16AC55-A2P

**M18x1**

16 mm  
20... 250 VAC  
400 mA  
25 Hz  
-25...75 °C

IP67

PBT  
Brass    Messing  
Conn. M12    Stecker M12  
built-in    Integriert

IPS18-N16AO79-A12  
IPS18-N16AC79-A12



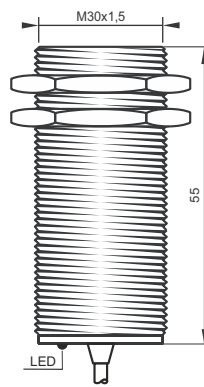
# INDUCTIVE

Shielded  
Bündig

**M30 - 10 mm**



Standard

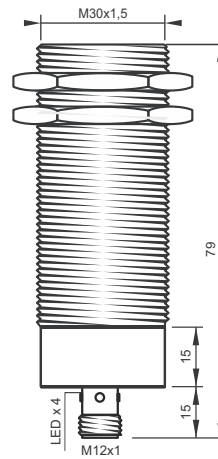


Shielded  
Bündig

**M30 - 10 mm**



Standard

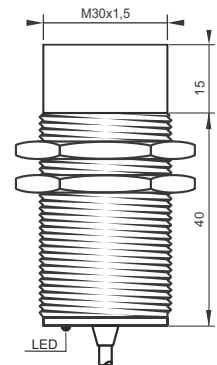


Unshielded  
Nicht bündig

**M30 - 15 mm**



Standard



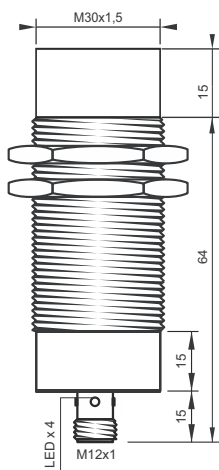
Housing	Bauform	M30x1		M30x1		M30x1	
Sensing Distance	Schaltabstand	10 mm		10 mm		15 mm	
Operating Voltage	Betriebsspannung	20... 250 VAC		20... 250 VAC		20... 250 VAC	
Current Load Capability	Ausgangsbelastbarkeit	400 mA		400 mA		400 mA	
Switching Frequency	Schaltfrequenz	25 Hz		25 Hz		25 Hz	
Operating Temperature	Betriebstemperatur	-25...75 °C		-25...75 °C		-25...75 °C	
Protection Class	Schutzklasse	IP67		IP67		IP67	
Sensing Face	Sensorfläche	PBT		PBT		PBT	
Housing	Gehäuse	Brass	Messing	Brass	Messing	Brass	Messing
Connection	Anschluss	PVC, Ultra-Flex		Conn. M12	Stecker M12	PVC, Ultra-Flex	
Switching Indicator	Schaltanzeige	built-in	Integriert	built-in	Integriert	built-in	Integriert
<b>Part Number   Artikelnummer</b>							
NO - 20... 250 VAC		IPS30-S10AO55-A2P		IPS30-S10AO79-A12		IPS30-N15AO55-A2P	
NC - 20... 250 VAC		IPS30-S10AC55-A2P		IPS30-S10AC79-A12		IPS30-N15AC55-A2P	



Unshielded  
Nicht bündig  
**M30 - 15 mm**



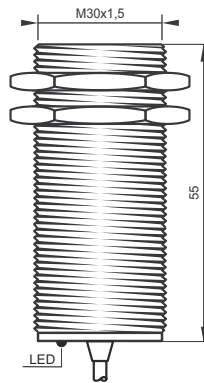
Standard



Shielded  
Bündig  
**M30 - 16 mm**



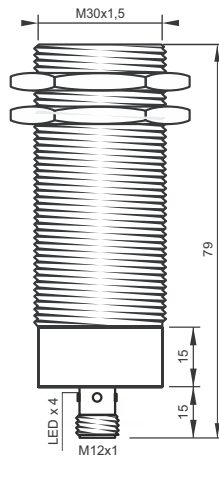
Increased  
Erhöht



Shielded  
Bündig  
**M30 - 16 mm**



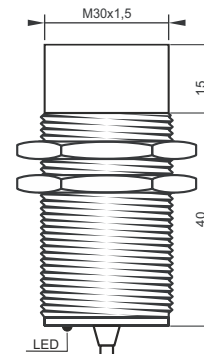
Increased  
Erhöht



Unshielded  
Nicht bündig  
**M30 - 25 mm**



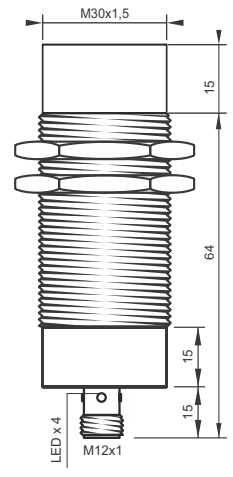
Increased  
Erhöht



Unshielded  
Nicht bündig  
**M30 - 25 mm**



Increased  
Erhöht



**M30x1**

15 mm  
20... 250 VAC  
400 mA  
25 Hz  
-25...75 °C  
IP67  
PBT  
Brass      Messing  
Conn. M12    Stecker M12  
built-in      Integriert

IPS30-N15AO79-A12  
IPS30-N15AC79-A12

**M30x1**

16 mm  
20... 250 VAC  
400 mA  
25 Hz  
-25...75 °C  
IP67  
PBT  
Brass      Messing  
PVC, Ultra-Flex  
built-in      Integriert

IPS30-S16AO55-A2P  
IPS30-S16AC55-A2P

**M30x1**

16 mm  
20... 250 VAC  
400 mA  
25 Hz  
-25...75 °C  
IP67  
PBT  
Brass      Messing  
Conn. M12    Stecker M12  
built-in      Integriert

IPS30-S16AO79-A12  
IPS30-S16AC79-A12

**M30x1**

25 mm  
20... 250 VAC  
400 mA  
25 Hz  
-25...75 °C  
IP67  
PBT  
Brass      Messing  
PVC, Ultra-Flex  
built-in      Integriert

IPS30-N25AO55-A2P  
IPS30-N25AC55-A2P

**M30x1**

25 mm  
20... 250 VAC  
400 mA  
25 Hz  
-25...75 °C  
IP67  
PBT  
Brass      Messing  
Conn. M12    Stecker M12  
built-in      Integriert

IPS30-N25AO79-A12  
IPS30-N25AC79-A12



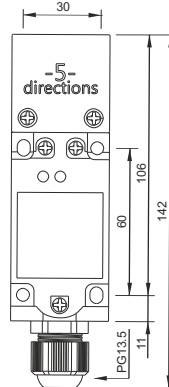
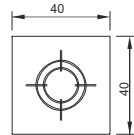
# INDUCTIVE

Shielded  
Bündig

40x40 - 15mm



Standard

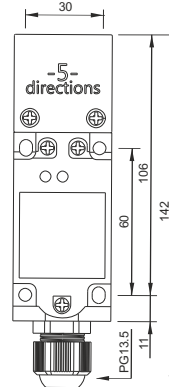
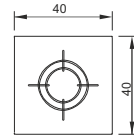


Shielded  
Bündig

40x40 - 20mm



Increased  
Erhöht

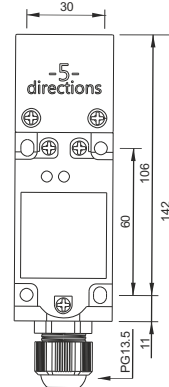
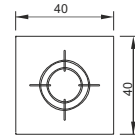


Unshielded  
Nicht bündig

40x40 - 30mm



Increased  
Erhöht



Housing	Bauform	40x40 mm		40x40 mm		40x40 mm	
Sensing Distance	Schaltabstand	15 mm		20 mm		30 mm	
Operating Voltage	Betriebsspannung	20... 250 VAC		20... 250 VAC		20... 250 VAC	
Current Load Capability	Ausgangsbelastbarkeit	400 mA		400 mA		400 mA	
Switching Frequency	Schaltfrequenz	25 Hz		25 Hz		25 Hz	
Operating Temperature	Betriebstemperatur	-25...75 °C		-25...75 °C		-25...75 °C	
Protection Class	Schutzklasse	IP67		IP67		IP67	
Sensing Face	Sensorfläche	PBT		PBT		PBT	
Housing	Gehäuse	PBT		PBT		PBT	
Connection	Anschluss	Terminal	Klemme	Terminal	Klemme	Terminal	Klemme
Switching Indicator	Schaltanzeige	built-in	Integriert	built-in	Integriert	built-in	Integriert
<b>Part Number   Artikelnummer</b>							
NO - 20... 250 VAC		IPS40-S15AOL-PG13		IPS40-S20AOL-PG13		IPS40-N30AOL-PG13	
NC - 20... 250 VAC		IPS40-S15ACL-PG13		IPS40-S20ACL-PG13		IPS40-N30ACL-PG13	





# INDUCTIVE

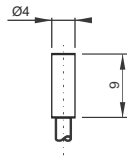
Shielded Bündig

Ø4 - 0.8 mm

NEW



Standard

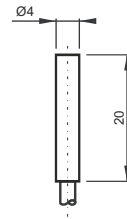


Shielded Bündig

Ø4 - 0.8 mm



Standard

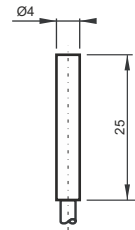


Shielded Bündig

Ø4 - 0.8 mm



Standard



Housing	Bauform	Ø4 mm	Ø4 mm	Ø4 mm
Sensing Distance	Schaltabstand	0.8 mm	0.8 mm	0.8 mm
Operating Voltage	Betriebsspannung	6... 12 Vdc	6... 12 Vdc	6... 12 Vdc
Off-State Current	Strom unbedämpft	< 1.1 mA	< 1.1 mA	< 1.1 mA
Switching Frequency	Schaltfrequenz	2000 Hz	2000 Hz	2000 Hz
Operating Temperature	Betriebstemperatur	-25...75 °C	-25...75 °C	-25...75 °C
Protection Class	Schutzklasse	IP67	IP67	IP67
Sensing Face	Sensorfläche	PBT	PBT	PBT
Housing	Gehäuse	Stainless Steel Edelstahl	Stainless Steel Edelstahl	Stainless Steel Edelstahl
Connected	Anschluss	PVC, Ultra-Flex	PVC, Ultra-Flex	PVC, Ultra-Flex
Output Indicator	Schaltanzeige	Amplifier Verstärker	Amplifier Verstärker	Amplifier Verstärker
<b>Part Number   Artikelnummer</b>				
	NAMUR	IPSD4-S08NA9-N2P	IPSD4-S08NA20-N2P	IPSD4-S08NA25-N2P



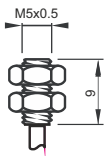


Shielded  
Bündig

**M5 - 0.8 mm**



Standard

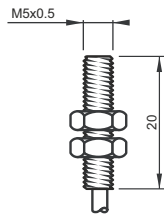


Shielded  
Bündig

**M5 - 0.8 mm**



Standard

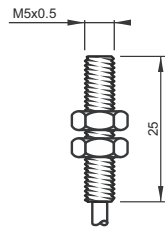


Shielded  
Bündig

**M5 - 0.8 mm**



Standard

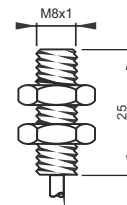


Shielded  
Bündig

**M8 - 1 mm**



Standard

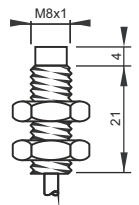


Unshielded  
Nicht bündig

**M8 - 2 mm**



Standard



M5		M5		M5		M8		M8	
0.8 mm		0.8 mm		0.8 mm		1 mm		2 mm	
6... 12 Vdc		6... 12 Vdc		6... 12 Vdc		6... 12 Vdc		6... 12 Vdc	
< 1.1 mA		< 1.1 mA		< 1.1 mA		< 1.1 mA		< 1.1 mA	
2000 Hz		2000 Hz		2000 Hz		2000 Hz		1000 Hz	
-25...75 °C		-25...75 °C		-25...75 °C		-25...75 °C		-25...75 °C	
IP67		IP67		IP67		IP67		IP67	
PBT		PBT		PBT		PBT		PBT	
Stainless Steel	Edelstahl	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl
PVC, Ultra-Flex		PVC, Ultra-Flex		PVC, Ultra-Flex		PVC, Ultra-Flex		PVC, Ultra-Flex	
Amplifier	Verstärker	Amplifier	Verstärker	Amplifier	Verstärker	Amplifier	Verstärker	Amplifier	Verstärker
IPS5-S08NA9-N2P		IPS5-S08NA20-N2P		IPS5-S08NA25-N2P		IPS8-S1NA25-N2P		IPS8-N2NA25-N2P	



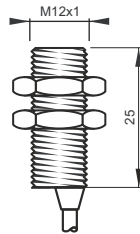
# INDUCTIVE

Shielded  
Bündig

**M12 - 2 mm**



Standard

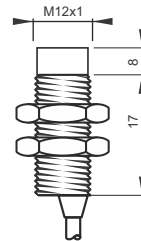


Unshielded  
Nicht bündig

**M12 - 4 mm**



Standard

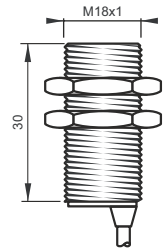


Shielded  
Bündig

**M18 - 5 mm**



Standard



Housing	Bauform	M12		M12		M18	
Sensing Distance	Schaltabstand	2 mm		4 mm		5 mm	
Operating Voltage	Betriebsspannung	6... 12 Vdc		6... 12 Vdc		6... 12 Vdc	
Off-State Current	Strom unbedämpft	< 1.1 mA		< 1.1 mA		< 1.1 mA	
Switching Frequency	Schaltfrequenz	1000 Hz		500 Hz		500 Hz	
Operating Temperature	Betriebstemperatur	-25...75 °C		-25...75 °C		-25...75 °C	
Protection Class	Schutzklasse	IP67		IP67		IP67	
Sensing Face	Sensorfläche	PBT		PBT		PBT	
Housing	Gehäuse	Brass	Messing	Brass	Messing	Brass	Messing
Connected	Anschluss	PVC, Ultra-Flex		PVC, Ultra-Flex		PVC, Ultra-Flex	
Output Indicator	Schaltanzeige	Amplifier	Verstärker	Amplifier	Verstärker	Amplifier	Verstärker
<b>Part Number   Artikelnummer</b>							
	NAMUR	IPS12-S2NA25-N2P		IPS12-N4NA25-N2P		IPS18-S5NA30-N2P	

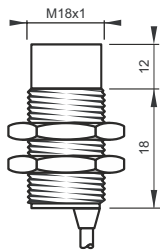


Unshielded  
Nicht bündig

**M18 - 8 mm**



Standard

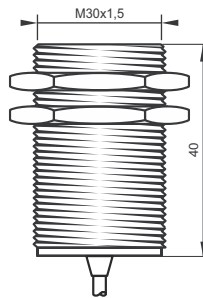


Shielded  
Bündig

**M30 - 10 mm**



Standard

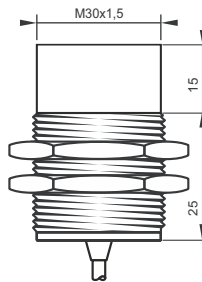


Unshielded  
Nicht bündig

**M30 - 15 mm**



Standard



M18		M30		M30	
8 mm		10 mm		15 mm	
6... 12 Vdc		6... 12 Vdc		6... 12 Vdc	
< 1.1 mA		< 1.1 mA		< 1.1 mA	
300 Hz		500 Hz		500 Hz	
-25...75 °C		-25...75 °C		-25...75 °C	
IP67		IP67		IP67	
PBT		PBT		PBT	
Brass	Messing	Brass	Messing	Brass	Messing
PVC, Ultra-Flex		PVC, Ultra-Flex		PVC, Ultra-Flex	
Amplifier	Verstärker	Amplifier	Verstärker	Amplifier	Verstärker
IPS18-N8NA30-N2P		IPS30-S10NA40-N2P		IPS30-N15NA40-N2P	



## TOP BENEFITS

Pressure proof up to 1000 bar / 14503 psi

Stainless steel housing

Sensing face made from stainless steel or ceramic

Optional LED indicator simplifies mechanical setup

## HAUPTVORTEILE

Druckfest bis zu 1000 bar / 14503 psi

Edelstahlgehäuse

Sensorfläche aus Keramik oder Edelstahl

Optionale LED-Anzeige vereinfacht mechanische Einrichtung

HIGH PRESSURE

# HIGH PRESSURE

## Inductive Sensors



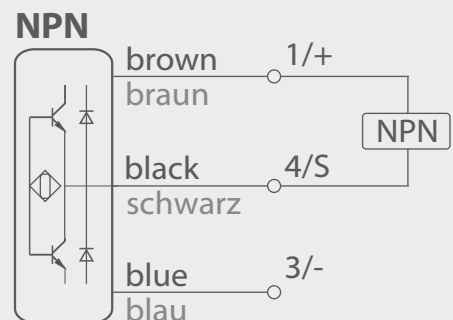
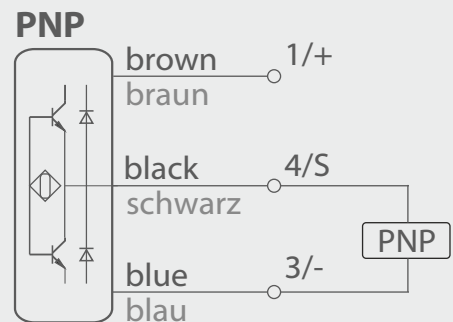
### Caution

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

### Achtung

alle Geräte in diesem Abschnitt dürfen nicht verwendet werden, wenn die Sicherheit von Personen von deren einwandfreier Funktion abhängig ist!

## CONNECTION



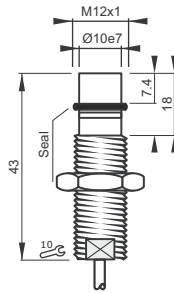
# INDUCTIVE

Shielded Bündig

M12 - 1.5 mm



7251 PSI  
500 bar

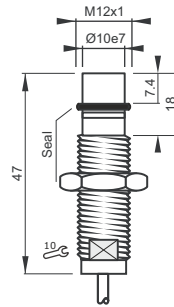


Shielded Bündig

M12 - 1.5 mm



7251 PSI  
500 bar

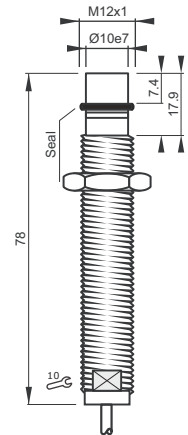


Shielded Bündig

M12 - 1.5 mm



7251 PSI  
500 bar



Housing	Bauform	M12x1	M12x1	M12x1
Sensing Distance	Schaltabstand	1.5 mm	1.5 mm	1.5 mm
Operating Voltage	Betriebsspannung	10...30 Vdc	10...30 Vdc	10...30 Vdc
Current Load Capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA
Switching Frequency	Schaltfrequenz	1000 Hz	1000 Hz	1000 Hz
Operating Temperature	Betriebstemperatur	-25...70 °C	-25...70 °C	-25...70 °C
Protection Class	Schutzklasse	IP 69k, IP 67	IP 69k, IP 67	IP 69k, IP 67
Sensing Face	Sensorfläche	Ceramic    Keramik	Ceramic    Keramik	Ceramic    Keramik
Housing	Gehäuse	Stainless Steel    Edelstahl	Stainless Steel    Edelstahl	Stainless Steel    Edelstahl
Connection	Anschluss	PVC, Ultra-Flex	PVC, Ultra-Flex	PVC, Ultra-Flex
Switching Indicator	Schaltanzeige	built-in    Integriert	built-in    Integriert	built-in    Integriert
<b>Part Number   Artikelnummer</b>				
PNP, NO - 10... 30 VDC		IHP12-S1.5PO43-A2P	IHP12-S1.5PO47-A2P	IHP12-S1.5PO78-A2P
PNP, NC - 10... 30 VDC		IHP12-S1.5PC43-A2P	IHP12-S1.5PC47-A2P	IHP12-S1.5PC78-A2P
NPN, NO - 10... 30 VDC		IHP12-S1.5NO43-A2P	IHP12-S1.5NO47-A2P	IHP12-S1.5NO78-A2P
NPN, NC - 10... 30 VDC		IHP12-S1.5NC43-A2P	IHP12-S1.5NC47-A2P	IHP12-S1.5NC78-A2P

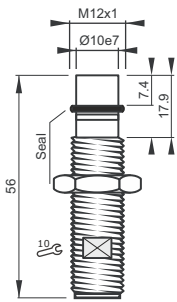


Shielded  
Bündig

**M12 - 1.5 mm**



7251 PSI  
500 bar

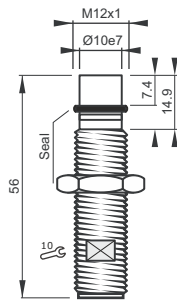


Shielded  
Bündig

**M12 - 1.5 mm**



7251 PSI  
500 bar

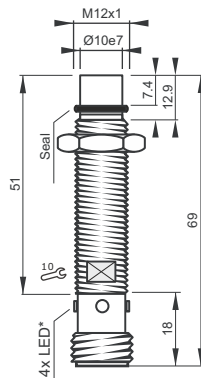


Shielded  
Bündig

**M12 - 1.5 mm**



7251 PSI  
500 bar

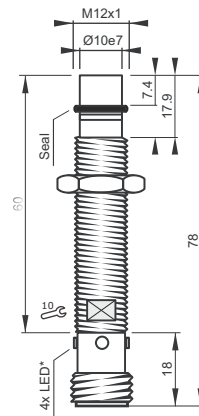


Shielded  
Bündig

**M12 - 1.5 mm**



7251 PSI  
500 bar

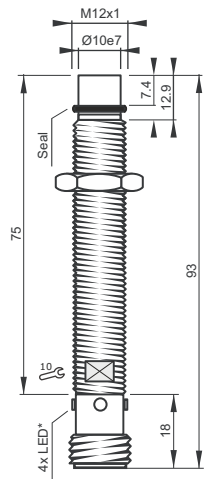


Shielded  
Bündig

**M12 - 1.5 mm**



7251 PSI  
500 bar



M12x1		M12x1		M12x1		M12x1		M12x1	
1.5 mm		1.5 mm		1.5 mm		1.5 mm		1.5 mm	
10...30 VDC		10...30 VDC		10...30 VDC		10...30 VDC		10...30 VDC	
200 mA		200 mA		200 mA		200 mA		200 mA	
1000 Hz		1000 Hz		1000 Hz		1000 Hz		1000 Hz	
-25...70 °C		-25...70 °C		-25...70 °C		-25...70 °C		-25...70 °C	
IP 69k, IP 67		IP 69k, IP 67		IP 69k, IP 67		IP 69k, IP 67		IP 69k, IP 67	
Ceramic	Keramik	Ceramic	Keramik	Ceramic	Keramik	Ceramic	Keramik	Ceramic	Keramik
Stainless Steel	Edelstahl	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl
Conn. M12	Stecker M12	Conn. M12	Stecker M12	Conn. M12	Stecker M12	Conn. M12	Stecker M12	Conn. M12	Stecker M12
built-in	Integriert	built-in	Integriert	built-in	Integriert	built-in	Integriert	built-in	Integriert
IHP12-S1.5PO56-A12		IHP12-S1.5PO57-A12		IHP12-S1.5PO69-A12		IHP12-S1.5PO78-A12		IHP12-S1.5PO93-A12	
IHP12-S1.5PC56-A12		IHP12-S1.5PC57-A12		IHP12-S1.5PC69-A12		IHP12-S1.5PC78-A12		IHP12-S1.5PC93-A12	
IHP12-S1.5NO56-A12		IHP12-S1.5NO57-A12		IHP12-S1.5NO69-A12		IHP12-S1.5NO78-A12		IHP12-S1.5NO93-A12	
IHP12-S1.5NC56-A12		IHP12-S1.5NC57-A12		IHP12-S1.5NC69-A12		IHP12-S1.5NC78-A12		IHP12-S1.5NC93-A12	



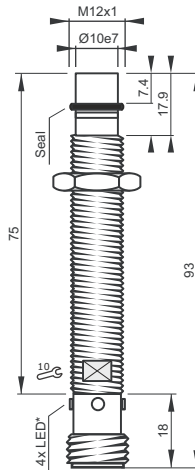
# INDUCTIVE

Shielded Bündig

**M12 - 1.5 mm**



7251 PSI  
500 bar

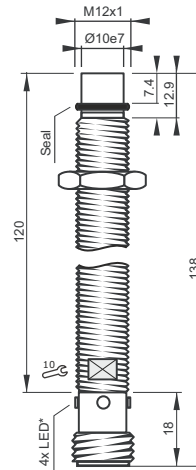


Shielded Bündig

**M12 - 1.5 mm**



7251 PSI  
500 bar



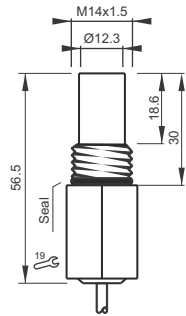
Shielded Bündig

**M14 - 3 mm**

NEW



7251 PSI  
500 bar



Housing	Bauform	M12x1		M12x1		M14x1.5	
Sensing Distance	Schaltabstand	1.5 mm		1.5 mm		3 mm	
Operating Voltage	Betriebsspannung	10...30 Vdc		10...30 Vdc		10...30 Vdc	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	1000 Hz		1000 Hz		1000 Hz	
Operating Temperature	Betriebstemperatur	-25...70 °C		-25...70 °C		-25...70 °C	
Protection Class	Schutzklasse	IP 69k, IP 67		IP 69k, IP 67		IP 69k, IP 67	
Sensing Face	Sensorfläche	Ceramic	Keramik	Ceramic	Keramik	Ceramic	Keramik
Housing	Gehäuse	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl
Connection	Anschluss	Conn. M12	Stecker M12	Conn. M12	Stecker M12	PVC, Ultra-Flex	
Switching Indicator	Schaltanzeige	built-in	Integriert	built-in	Integriert	None	Keine

**Part Number | Artikelnummer**

PNP, NO - 10... 30 VDC		IHP12-S1.5PO94-A12	IHP12-S1.5PO138-A12	IHP14-S3PO56-N2P
PNP, NC - 10... 30 VDC		IHP12-S1.5PC94-A12	IHP12-S1.5PC138-A12	IHP14-S3PC56-N2P
NPN, NO - 10... 30 VDC		IHP12-S1.5NO94-A12	IHP12-S1.5NO138-A12	IHP14-S3NO56-N2P
NPN, NC - 10... 30 VDC		IHP12-S1.5NC94-A12	IHP12-S1.5NC138-A12	IHP14-S3NC56-N2P





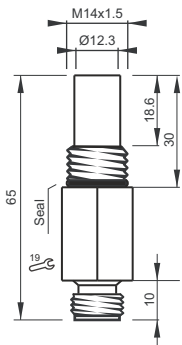
Shielded  
Bündig

**M14 - 3 mm**

NEW



7251 PSI  
500 bar



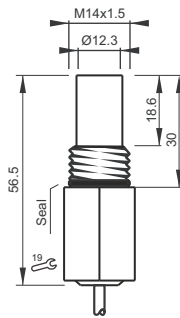
Shielded  
Bündig

**M14 - 3 mm**

NEW



14503 PSI  
1000 bar



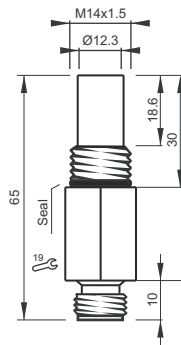
Shielded  
Bündig

**M14 - 3 mm**

NEW



14503 PSI  
1000 bar



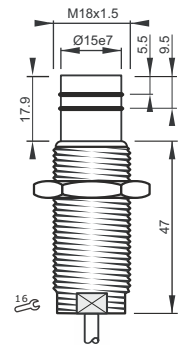
Shielded  
Bündig

**M18 - 3 mm**

NEW



14503 PSI  
1000 bar



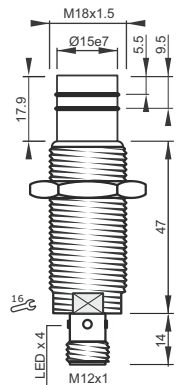
Shielded  
Bündig

**M18 - 3 mm**

NEW



14503 PSI  
1000 bar



**M14x1.5**

3 mm  
10...30 VDC  
200 mA  
1000 Hz  
-25...70 °C  
IP 69k, IP 67  
Ceramic  
Stainless Steel  
Conn. M12  
None

Keramik  
Edelstahl  
Stecker M12  
Keine

**M14x1.5**

3 mm  
10...30 VDC  
200 mA  
500 Hz  
-25...70 °C  
IP 69k, IP 67  
Stainless Steel  
Stainless Steel  
PVC, Ultra-Flex  
None

Edelstahl  
Edelstahl  
Keine

**M14x1.5**

3 mm  
10...30 VDC  
200 mA  
500 Hz  
-25...70 °C  
IP 69k, IP 67  
Stainless Steel  
Stainless Steel  
Conn. M12  
None

Edelstahl  
Edelstahl  
Stecker M12  
Keine

**M18x1.5**

3 mm  
10...30 VDC  
200 mA  
300 Hz  
-25...70 °C  
IP 69k, IP 67  
Stainless Steel  
Stainless Steel  
PVC, Ultra-Flex  
None

Edelstahl  
Edelstahl  
Keine

**M18x1.5**

3 mm  
10...30 VDC  
200 mA  
300 Hz  
-25...70 °C  
IP 69k, IP 67  
Stainless Steel  
Stainless Steel  
Conn. M12  
None

Edelstahl  
Edelstahl  
Stecker M12  
Keine

IHP14-S3PO65-N12  
IHP14-S3PC65-N12  
IHP14-S3NO65-N12  
IHP14-S3NC65-N12

IHP14-S3PO56S-N2P  
IHP14-S3PC56S-N2P  
IHP14-S3NO56S-N2P  
IHP14-S3NC56S-N2P

IHP14-S3PO65S-N12  
IHP14-S3PC65S-N12  
IHP14-S3NO65S-N12  
IHP14-S3NC65S-N12

IHP18-S3PO65S-A2P  
IHP18-S3PC65S-A2P  
IHP18-S3NO65S-A2P  
IHP18-S3NC65S-A2P

IHP18-S3PO79S-N12  
IHP18-S3PC79S-N12  
IHP18-S3NO79S-N12  
IHP18-S3NC79S-N12



## TOP BENEFITS

Embedded Amplifier for temperatures up to 180 °C / 356 °F permanent

Extreme long term reliability

Stainless steel housings

PTFE sensing face

PTFE and silicone cable available

Sizes from M8 to M30 available

## HAUPTVORTEILE

Integrierter Verstärker für Temperaturen bis zu 180 °C / 356 °F permanent

Extreme Langzeitbeständigkeit

Edelstahlgehäuse

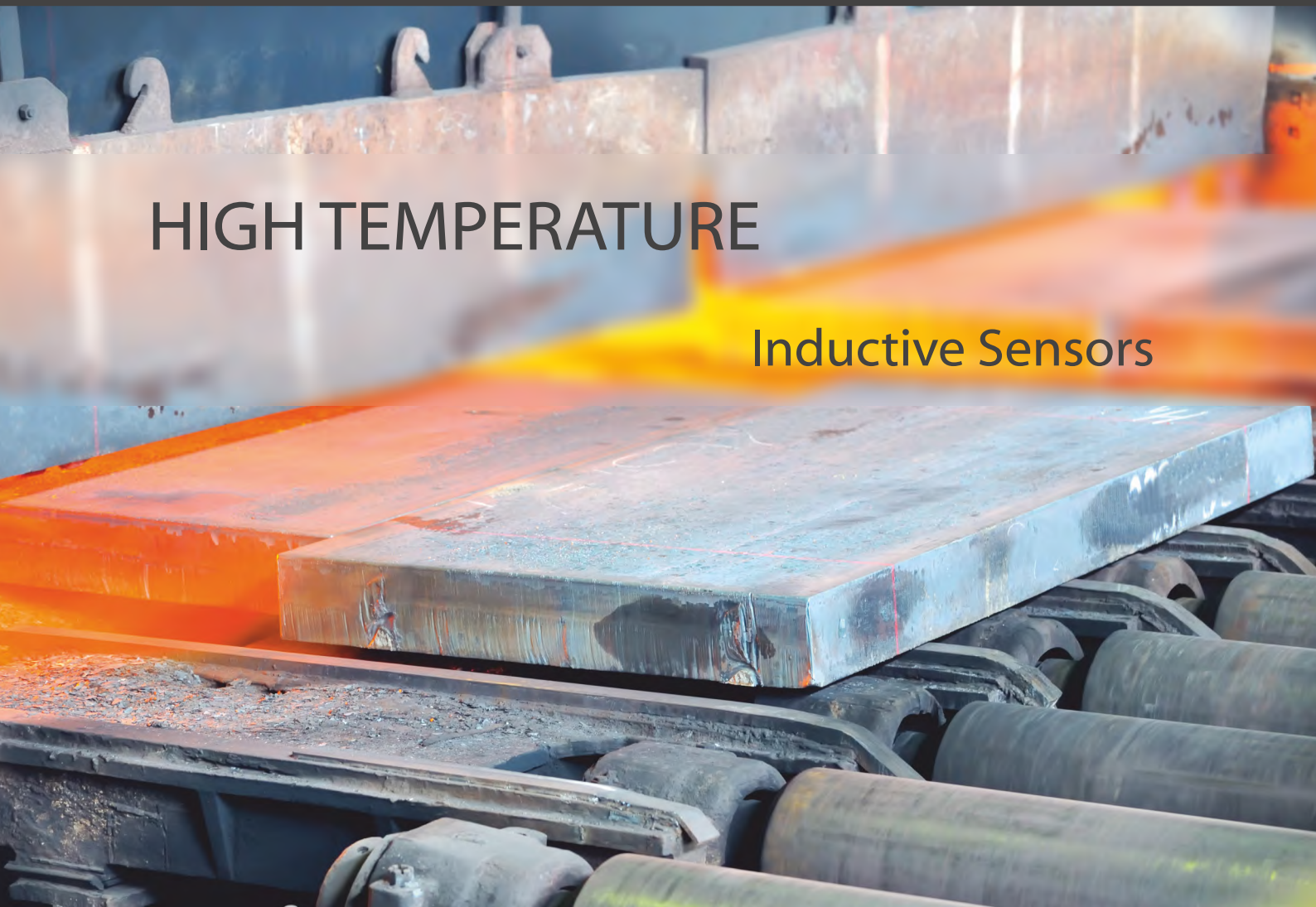
PTFE Frontkappe

PTFE und Silikonkabel erhältlich

Bauformen von M8 bis M30 erhältlich

# HIGH TEMPERATURE

## Inductive Sensors



### Caution

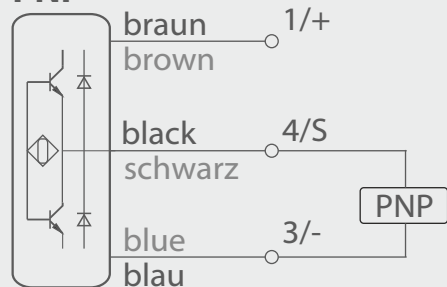
all devices from this section may not be used if the safety of persons rely on their faultless function!

### Achtung

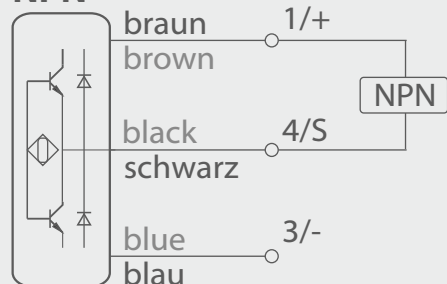
alle Geräte in diesem Abschnitt dürfen nicht verwendet werden, wenn die Sicherheit von Personen von deren einwandfreier Funktion abhängig ist!

## CONNECTION

### PNP



### NPN



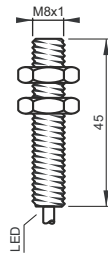
# INDUCTIVE

Shielded  
Bündig

M8 - 2 mm



120 °C

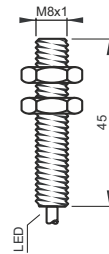


Shielded  
Bündig

M8 - 2 mm



120 °C

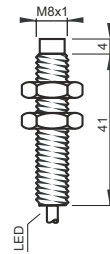


Unshielded  
Nicht bündig

M8 - 4 mm



120 °C



Housing	Bauform	M8x1		M8x1		M8x1	
Sensing Distance	Schaltabstand	2 mm		2 mm		4 mm	
Operating Voltage	Betriebsspannung	10...30 VDC		10...30 VDC		10...30 VDC	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	800 Hz		800 Hz		500 Hz	
Operating Temperature	Betriebstemperatur	-25...+120 °C		-25...+120 °C		-25...+120 °C	
Protection Class	Schutzklasse	IP 67		IP 67		IP 67	
Sensing Face	Sensorfläche	PTFE		PTFE		PTFE	
Housing	Gehäuse	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl
Connection	Anschluss	Silicone	Silikon	PTFE		Silicone	Silikon
Switching Indicator	Schaltanzeige	* built-in	* Integriert	* built-in	* Integriert	* built-in	* Integriert

**Part Number | Artikelnummer**

PNP, NO - 10... 30 VDC		IHT8-S2APO45-A2S	IHT8-S2APO45-A2T	IHT8-N4APO45-A2S
PNP, NC - 10... 30 VDC		IHT8-S2APC45-A2S	IHT8-S2APC45-A2T	IHT8-N4APC45-A2S
NPN, NO - 10... 30 VDC		IHT8-S2ANO45-A2S	IHT8-S2ANO45-A2T	IHT8-N4ANO45-A2S
NPN, NC - 10... 30 VDC		IHT8-S2ANC45-A2S	IHT8-S2ANC45-A2T	IHT8-N4ANC45-A2S



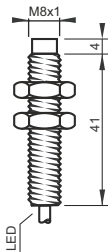
Only for mechanical set-up – LED may die if operated at temperatures beyond 120°C (250°F); LED functionality is not covered by warranty  
Nur zur mechanischen Justage – bei Temperaturen über 120°C kann die LED ausfallen; LED Funktionalität nicht durch Garantie gedeckt.

Unshielded  
Nicht bündig

**M8 - 4 mm**



120 °C

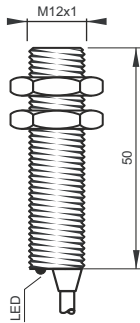


Shielded  
Bündig

**M12 - 2 mm**



120 °C

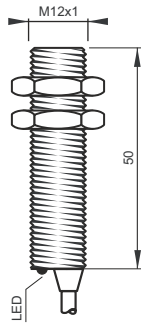


Shielded  
Bündig

**M12 - 2 mm**



120 °C

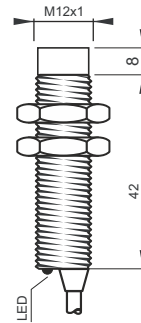


Unshielded  
Nicht bündig

**M12 - 4 mm**



120 °C

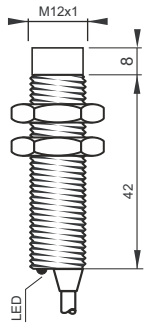


Unshielded  
Nicht bündig

**M12 - 4 mm**



120 °C



M8x1		M12x1		M12x1		M12x1		M12x1	
4 mm		2 mm		2 mm		4 mm		4 mm	
10...30 VDC		10...30 VDC		10...30 VDC		10...30 VDC		10...30 VDC	
200 mA		200 mA		200 mA		200 mA		200 mA	
500 Hz		1000 Hz		1000 Hz		800 Hz		800 Hz	
-25...+120 °C		-25...+120 °C		-25...+120 °C		-25...+120 °C		-25...+120 °C	
IP 67		IP 67		IP 67		IP 67		IP 67	
PTFE		PTFE		PTFE		PTFE		PTFE	
Stainless Steel	Edelstahl	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl
PTFE		Silicone		PTFE		Silicone		PTFE	
* built-in	* Integriert	* built-in	* Integriert	* built-in	* Integriert	* built-in	* Integriert	* built-in	* Integriert

IHT8-N4APO45-A2T	IHT12-S2APO50-A2S	IHT12-S2APO50-A2T	IHT12-N4APO50-A2S	IHT12-N4APO50-A2T
IHT8-N4APC45-A2T	IHT12-S2APC50-A2S	IHT12-S2APC50-A2T	IHT12-N4APC50-A2S	IHT12-N4APC50-A2T
IHT8-N4ANO45-A2T	IHT12-S2ANO50-A2S	IHT12-S2ANO50-A2T	IHT12-N4ANO50-A2S	IHT12-N4ANO50-A2T
IHT8-N4ANC45-A2T	IHT12-S2ANC50-A2S	IHT12-S2ANC50-A2T	IHT12-N4ANC50-A2S	IHT12-N4ANC50-A2T



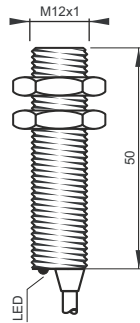
# INDUCTIVE

Shielded  
Bündig

**M12 - 4 mm**



120 °C

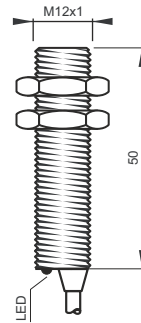


Shielded  
Bündig

**M12 - 4 mm**



120 °C

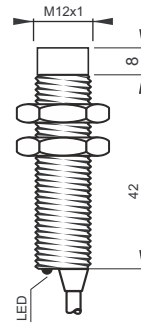


Unshielded  
Nicht bündig

**M12 - 8 mm**



120 °C



Housing	Bauform	M12x1		M12x1		M12x1	
Sensing Distance	Schaltabstand	4 mm		4 mm		8 mm	
Operating Voltage	Betriebsspannung	10...30 VDC		10...30 VDC		10...30 VDC	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	800 Hz		800 Hz		500 Hz	
Operating Temperature	Betriebstemperatur	-25...+120 °C		-25...+120 °C		-25...+120 °C	
Protection Class	Schutzklasse	IP 67		IP 67		IP 67	
Sensing Face	Sensorfläche	PTFE		PTFE		PTFE	
Housing	Gehäuse	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl
Connection	Anschluss	Silicone	Silikon	PTFE		Silicone	Silikon
Switching Indicator	Schaltanzeige	* built-in	* Integriert	* built-in	* Integriert	* built-in	* Integriert

**Part Number | Artikelnummer**

PNP, NO - 10... 30 VDC		IHT12-S4APO50-A2S	IHT12-S4APO50-A2T	IHT12-N8APO50-A2S
PNP, NC - 10... 30 VDC		IHT12-S4APC50-A2S	IHT12-S4APC50-A2T	IHT12-N8APC50-A2S
NPN, NO - 10... 30 VDC		IHT12-S4ANO50-A2S	IHT12-S4ANO50-A2T	IHT12-N8ANO50-A2S
NPN, NC - 10... 30 VDC		IHT12-S4ANC50-A2S	IHT12-S4ANC50-A2T	IHT12-N8ANC50-A2S



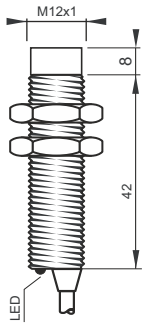
Only for mechanical set-up – LED may die if operated at temperatures beyond 120°C (250°F); LED functionality is not covered by warranty  
Nur zur mechanischen Justage – bei Temperaturen über 120°C kann die LED ausfallen; LED Funktionalität nicht durch Garantie gedeckt.

Unshielded  
Nicht bündig

**M12 - 8 mm**



120 °C

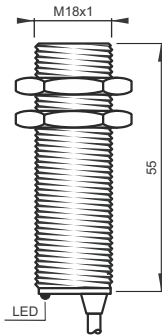


Shielded  
Bündig

**M18 - 5 mm**



120 °C

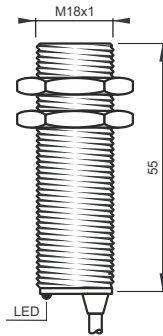


Shielded  
Bündig

**M18 - 5 mm**



120 °C

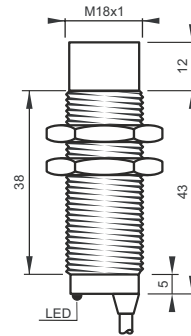


Unshielded  
Nicht bündig

**M18 - 8 mm**



120 °C

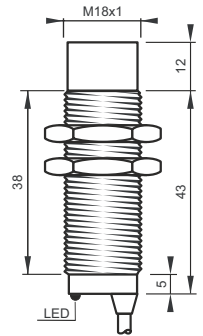


Unshielded  
Nicht bündig

**M18 - 8 mm**



120 °C



**M12x1**

8 mm  
10...30 V<sub>DC</sub>  
200 mA  
500 Hz  
-25...+120 °C

IP 67  
PTFE

Stainless Steel    Edelstahl  
PTFE  
\* built-in    \* Integriert

**M18x1**

5 mm  
10...30 V<sub>DC</sub>  
200 mA  
500 Hz  
-25...+120 °C

IP 67  
PTFE

Stainless Steel    Edelstahl  
Silicone    Silikon  
\* built-in    \* Integriert

**M18x1**

5 mm  
10...30 V<sub>DC</sub>  
200 mA  
500 Hz  
-25...+120 °C

IP 67  
PTFE

Stainless Steel    Edelstahl  
PTFE  
\* built-in    \* Integriert

**M18x1**

8 mm  
10...30 V<sub>DC</sub>  
200 mA  
500 Hz  
-25...+120 °C

IP 67  
PTFE

Stainless Steel    Edelstahl  
Silicone    Silikon  
\* built-in    \* Integriert

**M18x1**

8 mm  
10...30 V<sub>DC</sub>  
200 mA  
500 Hz  
-25...+120 °C

IP 67  
PTFE

Stainless Steel    Edelstahl  
PTFE  
\* built-in    \* Integriert

IHT12-N8APO50-A2T  
IHT12-N8APC50-A2T  
IHT12-N8ANO50-A2T  
IHT12-N8ANC50-A2T

IHT18-S5APO55-A2S  
IHT18-S5APC55-A2S  
IHT18-S5ANO55-A2S  
IHT18-S5ANC55-A2S

IHT18-S5APO55-A2T  
IHT18-S5APC55-A2T  
IHT18-S5ANO55-A2T  
IHT18-S5ANC55-A2T

IHT18-N8APO55-A2S  
IHT18-N8APC55-A2S  
IHT18-N8ANO55-A2S  
IHT18-N8ANC55-A2S

IHT18-N8APO55-A2T  
IHT18-N8APC55-A2T  
IHT18-N8ANO55-A2T  
IHT18-N8ANC55-A2T



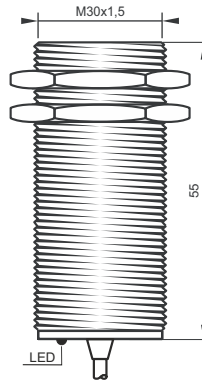
# INDUCTIVE

Shielded  
Bündig

**M30 - 10 mm**



120 °C

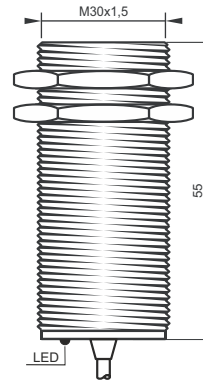


Shielded  
Bündig

**M30 - 10 mm**



120 °C

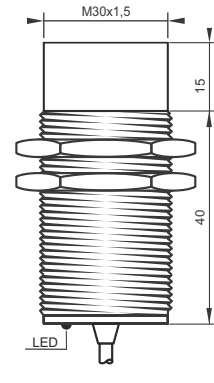


Unshielded  
Nicht bündig

**M30 - 15 mm**



120 °C



Housing	Bauform	M30x1.5		M30x1.5		M30x1.5	
Sensing Distance	Schaltabstand	10 mm		10 mm		15 mm	
Operating Voltage	Betriebsspannung	10...30 Vdc		10...30 Vdc		10...30 Vdc	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	200 Hz		200 Hz		200 Hz	
Operating Temperature	Betriebstemperatur	-25...+120 °C		-25...+120 °C		-25...+120 °C	
Protection Class	Schutzklasse	IP 67		IP 67		IP 67	
Sensing Face	Sensorfläche	PTFE		PTFE		PTFE	
Housing	Gehäuse	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl
Connection	Anschluss	Silicone	Silikon	PTFE		Silicone	Silikon
Switching Indicator	Schaltanzeige	* built-in	* Integriert	* built-in	* Integriert	* built-in	* Integriert

**Part Number | Artikelnummer**

PNP, NO - 10... 30 VDC		IHT30-S10APO55-A2S	IHT30-S10APO55-A2T	IHT30-N15APO55-A2S
PNP, NC - 10... 30 VDC		IHT30-S10APC55-A2S	IHT30-S10APC55-A2T	IHT30-N15APC55-A2S
NPN, NO - 10... 30 VDC		IHT30-S10ANO55-A2S	IHT30-S10ANO55-A2T	IHT30-N15ANO55-A2S
NPN, NC - 10... 30 VDC		IHT30-S10ANC55-A2S	IHT30-S10ANC55-A2T	IHT30-N15ANC55-A2S



Only for mechanical set-up – LED may die if operated at temperatures beyond 120°C (250°F); LED functionality is not covered by warranty  
Nur zur mechanischen Justage – bei Temperaturen über 120°C kann die LED ausfallen; LED Funktionalität nicht durch Garantie gedeckt.

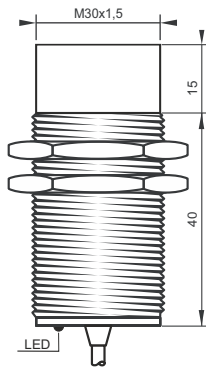


Unshielded  
Nicht bündig

**M30 - 15 mm**



120 °C

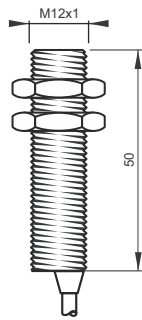


Shielded  
Bündig

**M12 - 2 mm**



150 °C

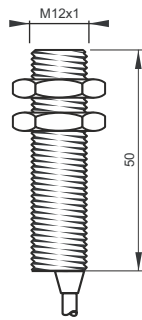


Shielded  
Bündig

**M12 - 2 mm**



150 °C

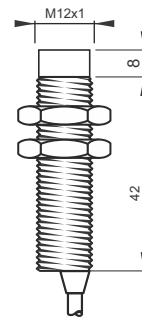


Unshielded  
Nicht bündig

**M12 - 4 mm**



150 °C

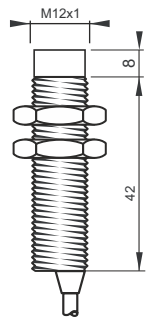


Unshielded  
Nicht bündig

**M12 - 4 mm**



150 °C



M30x1.5		M12x1		M12x1		M12x1		M12x1	
15 mm		2 mm		2 mm		4 mm		4 mm	
10...30 V <sub>DC</sub>		10...30 V <sub>DC</sub>		10...30 V <sub>DC</sub>		10...30 V <sub>DC</sub>		10...30 V <sub>DC</sub>	
200 mA		200 mA		200 mA		200 mA		200 mA	
200 Hz		800 Hz		800 Hz		500 Hz		500 Hz	
-25...+120 °C		-25...+150 °C		-25...+150 °C		-25...+150 °C		-25...+150 °C	
IP 67		IP 67		IP 67		IP 67		IP 67	
PTFE		PTFE		PTFE		PTFE		PTFE	
Stainless Steel	Edelstahl	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl
PTFE		Silicone	Silikon	PTFE		Silicone	Silikon	PTFE	
* built-in	* Integriert	On Request	Auf Anfrage	On Request	Auf Anfrage	On Request	Auf Anfrage	On Request	Auf Anfrage
IHT30-N15APO55-A2T		IHT12-S2BPO50-N2S		IHT12-S2BPO50-N2T		IHT12-N4BPO50-N2S		IHT12-N4BPO50-N2T	
IHT30-N15APC55-A2T		IHT12-S2BPC50-N2S		IHT12-S2BPC50-N2T		IHT12-N4BPC50-N2S		IHT12-N4BPC50-N2T	
IHT30-N15ANO55-A2T		IHT12-S2BNO50-N2S		IHT12-S2BNO50-N2T		IHT12-N4BNO50-N2S		IHT12-N4BNO50-N2T	
IHT30-N15ANC55-A2T		IHT12-S2BNC50-N2S		IHT12-S2BNC50-N2T		IHT12-N4BNC50-N2S		IHT12-N4BNC50-N2T	



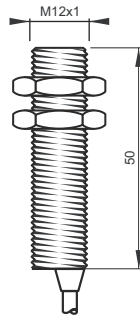
# INDUCTIVE

Shielded  
Bündig

**M12 - 4 mm**



150 °C

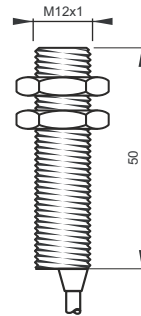


Shielded  
Bündig

**M12 - 4 mm**



150 °C

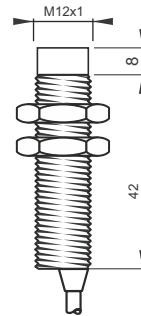


Unshielded  
Nicht bündig

**M12 - 8 mm**



150 °C



Housing	Bauform	M12x1	M12x1	M12x1
Sensing Distance	Schaltabstand	4 mm	4 mm	8 mm
Operating Voltage	Betriebsspannung	10...30 VDC	10...30 VDC	10...30 VDC
Current Load Capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA
Switching Frequency	Schaltfrequenz	500 Hz	500 Hz	300 Hz
Operating Temperature	Betriebstemperatur	-25...+150 °C	-25...+150 °C	-25...+150 °C
Protection Class	Schutzklasse	IP 67	IP 67	IP 67
Sensing Face	Sensorfläche	PTFE	PTFE	PTFE
Housing	Gehäuse	Stainless Steel Edelstahl	Stainless Steel Edelstahl	Stainless Steel Edelstahl
Connection	Anschluss	Silicone Silikon	PTFE	Silicone Silikon
Switching Indicator	Schaltanzeige	On Request Auf Anfrage	On Request Auf Anfrage	On Request Auf Anfrage

**Part Number | Artikelnummer**

PNP, NO - 10... 30 VDC		IHT12-S4BPO50-N2S	IHT12-S4BPO50-N2T	IHT12-N8BPO50-N2S
PNP, NC - 10... 30 VDC		IHT12-S4BPC50-N2S	IHT12-S4BPC50-N2T	IHT12-N8BPC50-N2S
NPN, NO - 10... 30 VDC		IHT12-S4BNO50-N2S	IHT12-S4BNO50-N2T	IHT12-N8BNO50-N2S
NPN, NC - 10... 30 VDC		IHT12-S4BNC50-N2S	IHT12-S4BNC50-N2T	IHT12-N8BNC50-N2S



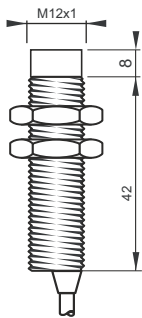
Only for mechanical set-up – LED may die if operated at temperatures beyond 120°C (250°F); LED functionality is not covered by warranty  
Nur zur mechanischen Justage – bei Temperaturen über 120°C kann die LED ausfallen; LED Funktionalität nicht durch Garantie gedeckt.

Unshielded  
Nicht bündig

**M12 - 8 mm**



150 °C

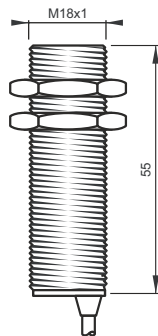


Shielded  
Bündig

**M18 - 5 mm**



150 °C

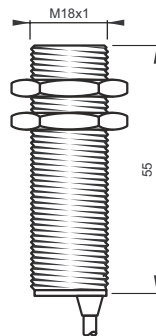


Shielded  
Bündig

**M18 - 5 mm**



150 °C

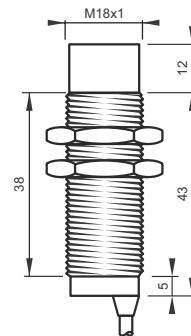


Unshielded  
Nicht bündig

**M18 - 8 mm**



150 °C

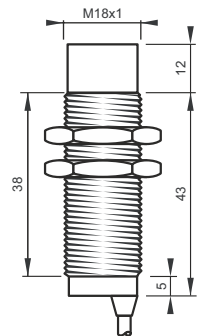


Unshielded  
Nicht bündig

**M18 - 8 mm**



150 °C



**M12x1**

8 mm  
10...30 V<sub>DC</sub>  
200 mA  
300 Hz  
-25...+150 °C  
IP 67  
PTFE  
Stainless Steel   Edelstahl  
PTFE  
On Request   Auf Anfrage

**M18x1**

5 mm  
10...30 V<sub>DC</sub>  
200 mA  
500 Hz  
-25...+150 °C  
IP 67  
PTFE  
Stainless Steel   Edelstahl  
Silicone   Silikon  
On Request   Auf Anfrage

**M18x1**

5 mm  
10...30 V<sub>DC</sub>  
200 mA  
500 Hz  
-25...+150 °C  
IP 67  
PTFE  
Stainless Steel   Edelstahl  
PTFE  
On Request   Auf Anfrage

**M18x1**

8 mm  
10...30 V<sub>DC</sub>  
200 mA  
500 Hz  
-25...+150 °C  
IP 67  
PTFE  
Stainless Steel   Edelstahl  
Silicone   Silikon  
On Request   Auf Anfrage

**M18x1**

8 mm  
10...30 V<sub>DC</sub>  
200 mA  
500 Hz  
-25...+150 °C  
IP 67  
PTFE  
Stainless Steel   Edelstahl  
PTFE  
On Request   Auf Anfrage

IHT12-N8BPO50-N2T  
IHT12-N8BPC50-N2T  
IHT12-N8BNO50-N2T  
IHT12-N8BNC50-N2T

IHT18-S5BPO55-N2S  
IHT18-S5BPC55-N2S  
IHT18-S5BNO55-N2S  
IHT18-S5BNC55-N2S

IHT18-S5BPO55-N2T  
IHT18-S5BPC55-N2T  
IHT18-S5BNO55-N2T  
IHT18-S5BNC55-N2T

IHT18-N8BPO55-N2S  
IHT18-N8BPC55-N2S  
IHT18-N8BNO55-N2S  
IHT18-N8BNC55-N2S

IHT18-N8BPO55-N2T  
IHT18-N8BPC55-N2T  
IHT18-N8BNO55-N2T  
IHT18-N8BNC55-N2T



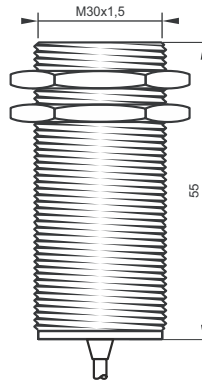
# INDUCTIVE

Shielded  
Bündig

**M30 - 10 mm**



150 °C

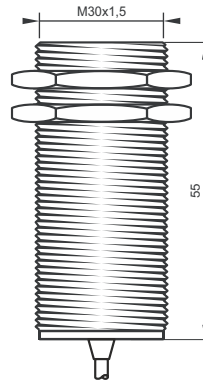


Shielded  
Bündig

**M30 - 10 mm**



150 °C

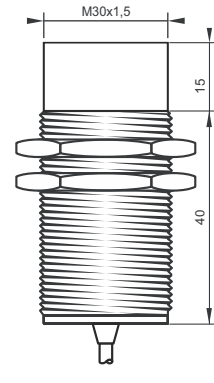


Unshielded  
Nicht bündig

**M30 - 15 mm**



150 °C



Housing	Bauform	M30x1.5		M30x1.5		M30x1.5	
Sensing Distance	Schaltabstand	10 mm		10 mm		15 mm	
Operating Voltage	Betriebsspannung	10...30 Vdc		10...30 Vdc		10...30 Vdc	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	500 Hz		200 Hz		200 Hz	
Operating Temperature	Betriebstemperatur	-25...+150 °C		-25...+150 °C		-25...+150 °C	
Protection Class	Schutzklasse	IP 67		IP 67		IP 67	
Sensing Face	Sensorfläche	PTFE		PTFE		PTFE	
Housing	Gehäuse	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl	Stainless Steel	Edelstahl
Connection	Anschluss	Silicone	Silikon	PTFE		Silicone	Silikon
Switching Indicator	Schaltanzeige	On Request	Auf Anfrage	On Request	Auf Anfrage	On Request	Auf Anfrage
<b>Part Number   Artikelnummer</b>							
PNP, NO - 10... 30 VDC		IHT30-S10BPO55-N2S		IHT30-S10BPO55-N2T		IHT30-N15BPO55-N2S	
PNP, NC - 10... 30 VDC		IHT30-S10BPC55-N2S		IHT30-S10BPC55-N2T		IHT30-N15BPC55-N2S	
NPN, NO - 10... 30 VDC		IHT30-S10BNO55-N2S		IHT30-S10BNO55-N2T		IHT30-N15BNO55-N2S	
NPN, NC - 10... 30 VDC		IHT30-S10BNC55-N2S		IHT30-S10BNC55-N2T		IHT30-N15BNC55-N2S	



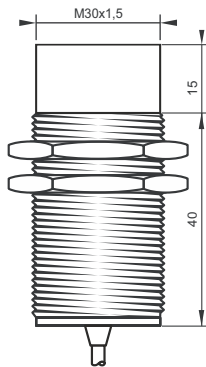
Only for mechanical set-up – LED may die if operated at temperatures beyond 120°C (250°F); LED functionality is not covered by warranty  
Nur zur mechanischen Justage – bei Temperaturen über 120°C kann die LED ausfallen; LED Funktionalität nicht durch Garantie gedeckt.

Unshielded  
Nicht bündig

**M30 - 15 mm**



150 °C

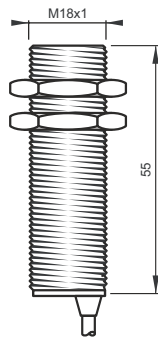


Shielded  
Bündig

**M18 - 5 mm**



180 °C

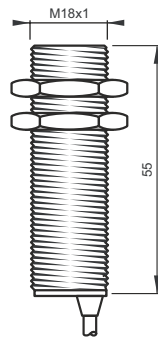


Shielded  
Bündig

**M18 - 5 mm**



180 °C

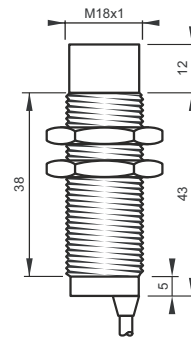


Unshielded  
Nicht bündig

**M18 - 8 mm**



180 °C

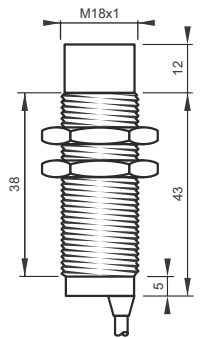


Unshielded  
Nicht bündig

**M18 - 8 mm**



180 °C



M30x1.5	M18x1	M18x1	M18x1	M18x1
15 mm	5 mm	5 mm	8 mm	8 mm
10...30 VDC	10...30 VDC	10...30 VDC	10...30 VDC	10...30 VDC
200 mA	200 mA	200 mA	200 mA	200 mA
200 Hz	500 Hz	500 Hz	500 Hz	500 Hz
-25...+150 °C	-25...+180 °C	-25...+180 °C	-25...+180 °C	-25...+180 °C
IP 67	IP 67	IP 67	IP 67	IP 67
PTFE	PTFE	PTFE	PTFE	PTFE
Stainless Steel    Edelstahl	Stainless Steel    Edelstahl	Stainless Steel    Edelstahl	Stainless Steel    Edelstahl	Stainless Steel    Edelstahl
PTFE	Silicone    Silikon	PTFE	Silicone    Silikon	PTFE
On Request    Auf Anfrage	-	-	-	-
IHT30-N15BPO55-N2T	IHT18-S5CPO55-N2S	IHT18-S5CPO55-N2T	IHT18-N8CPO55-N2S	IHT18-N8CPO55-N2T
IHT30-N15BPC55-N2T	IHT18-S5CPC55-N2S	IHT18-S5CPC55-N2T	IHT18-N8CPC55-N2S	IHT18-N8CPC55-N2T
IHT30-N15BNO55-N2T	IHT18-S5CNO55-N2S	IHT18-S5CNO55-N2T	IHT18-N8CNO55-N2S	IHT18-N8CNO55-N2T
IHT30-N15BNC55-N2T	IHT18-S5CNC55-N2S	IHT18-S5CNC55-N2T	IHT18-N8CNC55-N2S	IHT18-N8CNC55-N2T



# INDUCTIVE

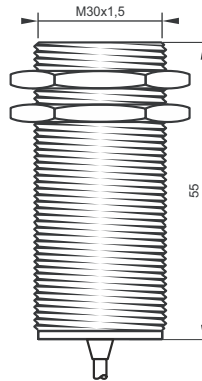
Shielded  
Bündig

**M30 - 10 mm**

NEW



180 °C



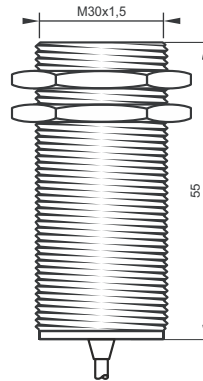
Shielded  
Bündig

**M30 - 10 mm**

NEW



180 °C



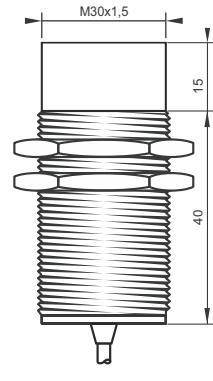
Unshielded  
Nicht bündig

**M30 - 15 mm**

NEW



180 °C



Housing	Bauform	M30x1.5	M30x1.5	M30x1.5
Sensing Distance	Schaltabstand	10 mm	10 mm	15 mm
Operating Voltage	Betriebsspannung	10...30 Vdc	10...30 Vdc	10...30 Vdc
Current Load Capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA
Switching Frequency	Schaltfrequenz	200 Hz	200 Hz	200 Hz
Operating Temperature	Betriebstemperatur	-25...+180 °C	-25...+180 °C	-25...+180 °C
Protection Class	Schutzklasse	IP 67	IP 67	IP 67
Sensing Face	Sensorfläche	PTFE	PTFE	PTFE
Housing	Gehäuse	Stainless Steel Edelstahl	Stainless Steel Edelstahl	Stainless Steel Edelstahl
Connection	Anschluss	Silicone Silikon	PTFE	Silicone Silikon
Switching Indicator	Schaltanzeige	-	-	-

**Part Number | Artikelnummer**

PNP, NO - 10... 30 VDC		IHT30-S10CPO55-N2S	IHT30-S10CPO55-N2T	IHT30-N15CPO55-N2S
PNP, NC - 10... 30 VDC		IHT30-S10CPC55-N2S	IHT30-S10CPC55-N2T	IHT30-N15CPC55-N2S
NPN, NO - 10... 30 VDC		IHT30-S10CNO55-N2S	IHT30-S10CNO55-N2T	IHT30-N15CNO55-N2S
NPN, NC - 10... 30 VDC		IHT30-S10CNC55-N2S	IHT30-S10CNC55-N2T	IHT30-N15CNC55-N2S



Only for mechanical set-up – LED may die if operated at temperatures beyond 120°C (250°F); LED functionality is not covered by warranty  
Nur zur mechanischen Justage – bei Temperaturen über 120°C kann die LED ausfallen; LED Funktionalität nicht durch Garantie gedeckt.

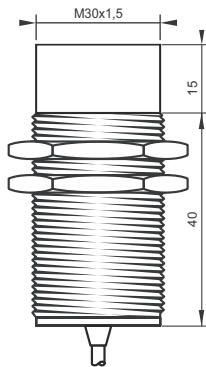
Unshielded  
Nicht bündig

**M30 - 15 mm**

NEW



180 °C



### M30x1.5

15 mm

10...30 V<sub>DC</sub>

200 mA

200 Hz

-25...+180 °C

IP 67

PTFE

Stainless Steel Edelstahl

PTFE

-

IHT30-N15CPO55-N2T

IHT30-N15CPC55-N2T

IHT30-N15CNO55-N2T

IHT30-N15CNC55-N2T



XECRO reserves the right to make minor changes without prior notification.  
XECRO behält sich das Recht vor, geringfügige Anpassungen jederzeit durchzuführen.

## TOP BENEFITS

Resistant to extreme electromagnetic fields

Reduction Factor 1

Robust Metal-Face, one continual housing;  
including sensing face

Economic Versions with PTFE sensing face

False proof against metal chips

## HAUPTVORTEILE

Resistent gegenüber extremen  
elektromagnetischen Feldern

Reduktionsfaktor 1

Robustes Vollmetallgehäuse; einschließlich  
der Sensorfläche

Preiswerte Ausführung mit PTFE  
Sensorfläche

Keine Fehlauflösungen durch Metallspäne

WELD FIELD IMMUNE



# WELD-FIELD-IMMUNE

## Inductive Sensors



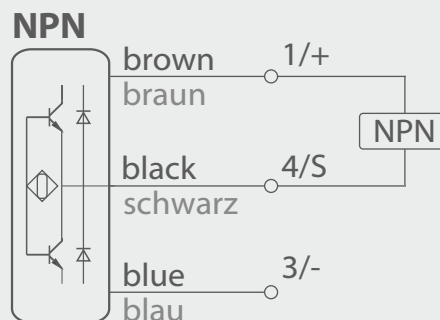
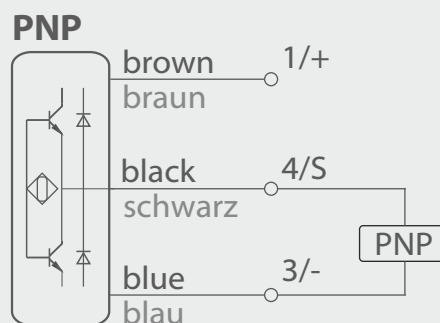
### Caution

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

### Achtung

alle Geräte in diesem Abschnitt dürfen nicht verwendet werden, wenn die Sicherheit von Personen von deren einwandfreier Funktion abhängig ist!

## CONNECTION



# INDUCTIVE

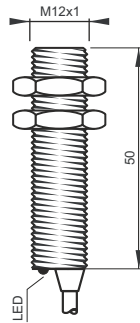
Shielded Bündig

M12 - 4 mm

NEW



Reduction Factor 1  
Reduktionsfaktor 1



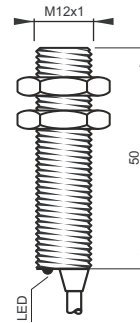
Shielded Bündig

M12 - 4 mm

NEW



Reduction Factor 1  
Reduktionsfaktor 1



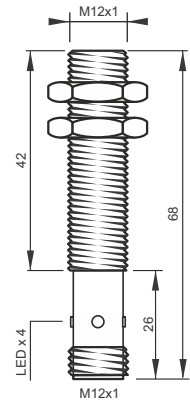
Shielded Bündig

M12 - 4 mm

NEW



Reduction Factor 1  
Reduktionsfaktor 1



Housing	Bauform	M12x1	M12x1	M12x1
Sensing Distance	Schaltabstand	4 mm	4 mm	4 mm
Operating Voltage	Betriebsspannung	10...30 VDC	10...30 VDC	10...30 VDC
Current Load Capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA
Switching Frequency	Schaltfrequenz	100 Hz	100 Hz	100 Hz
Operating Temperature	Betriebstemperatur	-10...60 °C	-10...60 °C	-10...60 °C
Protection Class	Schutzklasse	IP67	IP67	IP67
Sensing Face	Sensorfläche	PTFE	Stainless Steel Edelstahl	PTFE
Housing	Gehäuse	Brass Messing	Stainless Steel Edelstahl	Brass Messing
Connection	Anschluss	PVC, Ultra-Flex	PVC, Ultra-Flex	Conn. M12 Stecker M12
Switching Indicator	Schaltanzeige	built-in Integriert	built-in Integriert	built-in Integriert

**Part Number | Artikelnummer**

PNP, NO - 10... 30 VDC		IWI12-S4PO50-A2P	MFW12-S4PO50-A2P	IWI12-S4PO68-A12
PNP, NC - 10... 30 VDC		IWI12-S4PC50-A2P	MFW12-S4PC50-A2P	IWI12-S4PC68-A12
NPN, NO - 10... 30 VDC		IWI12-S4NO50-A2P	MFW12-S4NO50-A2P	IWI12-S4NO68-A12
NPN, NC - 10... 30 VDC		IWI12-S4NC50-A2P	MFW12-S4NC50-A2P	IWI12-S4NC68-A12



Other metal configuration on request  
Andere Metallkombinationen auf Anfrage

Shielded  
Bündig

**M12 - 4 mm**

NEW



Shielded  
Bündig

**M18 - 7 mm**

NEW



Shielded  
Bündig

**M18 - 7 mm**

NEW



Shielded  
Bündig

**M18 - 7 mm**

NEW



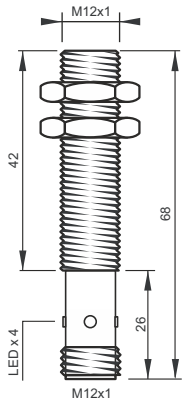
Shielded  
Bündig

**M18 - 7 mm**

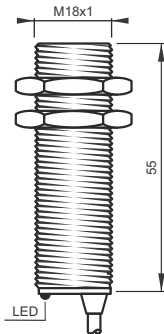
NEW



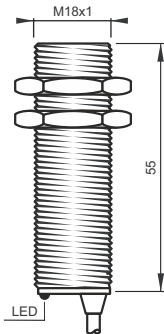
Reduction Factor 1  
Reduktionsfaktor 1



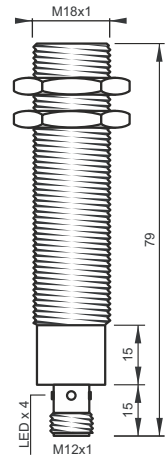
Reduction Factor 1  
Reduktionsfaktor 1



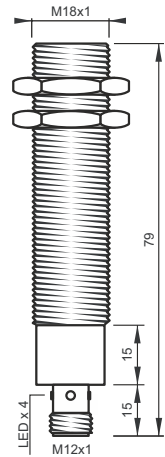
Reduction Factor 1  
Reduktionsfaktor 1



Reduction Factor 1  
Reduktionsfaktor 1



Reduction Factor 1  
Reduktionsfaktor 1



**M12x1**

4 mm  
10...30 VDC  
200 mA  
100 Hz  
-10...60 °C

IP67

Stainless Steel Edelstahl  
Stainless Steel Edelstahl  
Conn. M12 Stecker M12  
built-in Integriert

MFWI12-S4PO68-A12  
MFWI12-S4PC68-A12  
MFWI12-S4NO68-A12  
MFWI12-S4NC68-A12

**M18x1**

7 mm  
10...30 VDC  
200 mA  
100 Hz  
-10...60 °C

IP67

PTFE  
Brass Messing  
PVC, Ultra-Flex  
built-in Integriert

IWI18-S7PO55-A2P  
IWI18-S7PC55-A2P  
IWI18-S7NO55-A2P  
IWI18-S7NC55-A2P

**M18x1**

7 mm  
10...30 VDC  
200 mA  
100 Hz  
-10...60 °C

IP67

Stainless Steel Edelstahl  
Stainless Steel Edelstahl  
PVC, Ultra-Flex  
built-in Integriert

MFWI18-S7PO55-A2P  
MFWI18-S7PC55-A2P  
MFWI18-S7NO55-A2P  
MFWI18-S7NC55-A2P

**M18x1**

7 mm  
10...30 VDC  
200 mA  
100 Hz  
-10...60 °C

IP67

PTFE  
Brass Messing  
Conn. M12 Stecker M12  
built-in Integriert

IWI18-S7PO79-A12  
IWI18-S7PC79-A12  
IWI18-S7NO79-A12  
IWI18-S7NC79-A12

**M18x1**

7 mm  
10...30 VDC  
200 mA  
100 Hz  
-10...60 °C

IP67

Stainless Steel Edelstahl  
Stainless Steel Edelstahl  
Conn. M12 Stecker M12  
built-in Integriert

MFWI18-S7PO79-A12  
MFWI18-S7PC79-A12  
MFWI18-S7NO79-A12  
MFWI18-S7NC79-A12



# INDUCTIVE

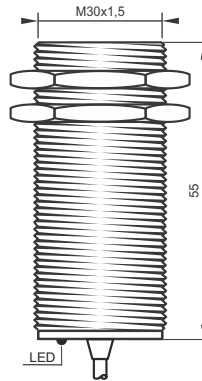
Shielded Bündig

M30

NEW



Reduction Factor 1  
Reduktionsfaktor 1



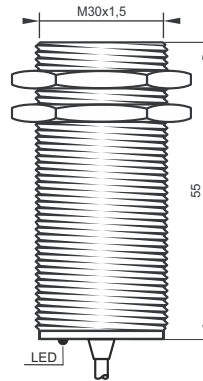
Shielded Bündig

M30

NEW



Reduction Factor 1  
Reduktionsfaktor 1



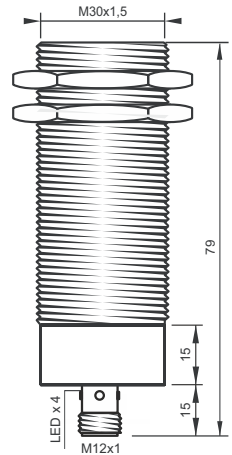
Shielded Bündig

M30

NEW



Reduction Factor 1  
Reduktionsfaktor 1



Housing	Bauform	M30x1.5		M30x1.5		M30x1.5	
Sensing Distance	Schaltabstand						
Operating Voltage	Betriebsspannung	10...30 VDC		10...30 VDC		10...30 VDC	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	100 Hz		100 Hz		100 Hz	
Operating Temperature	Betriebstemperatur	-10...60 °C		-10...60 °C		-10...60 °C	
Protection Class	Schutzklasse	IP67		IP67		IP67	
Sensing Face	Sensorfläche	PTFE		Stainless Steel Edelstahl		PTFE	
Housing	Gehäuse	Brass	Messing	Stainless Steel	Edelstahl	Brass	Messing
Connection	Anschluss	PVC, Ultra-Flex		PVC, Ultra-Flex		Conn. M12	Stecker M12
Switching Indicator	Schaltanzeige	built-in	Integriert	built-in	Integriert	built-in	Integriert
<b>Part Number   Artikelnummer</b>							
PNP, NO - 10... 30 VDC		IW30		MFW30		IW30	
PNP, NC - 10... 30 VDC							
NPN, NO - 10... 30 VDC							
NPN, NC - 10... 30 VDC							



Other metal configuration on request  
Andere Metallkombinationen auf Anfrage

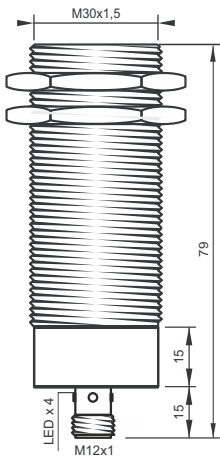
Shielded  
Bündig

**M30**

NEW



Reduction Factor 1  
Reduktionsfaktor 1



### M30x1.5

10...30 V<sub>DC</sub>

200 mA

100 Hz

-10...60 °C

IP67

Stainless Steel Edelstahl

Stainless Steel Edelstahl

Conn. M12 Stecker M12

built-in Integriert

MFWI30



XECRO reserves the right to make minor changes without prior notification.  
XECRO behält sich das Recht vor, geringfügige Anpassungen jederzeit durchzuführen.

## TOP BENEFITS

Precise metal classification

Dual output - no separate presence sensor needed

NON-FE output has Factor-1 characteristics (except steel)

Robust Metal-Face version available

For waste sorting applications, customized types with cascaded sensing areas are available

More detailed classification, e.g. copper, brass on request

## HAUPTVORTEILE

Präzise Metallbestimmung

Doppel-Ausgang - kein separater Sensor für Anwesenheit erforderlich

NICHT-FE Ausgang hat Faktor-1 Charakteristik (ausgenommen Stahl)

Robuste Metal-Face Version verfügbar

Für Müllsortierung angepasste Varianten mit kaskadierten Sensorflächen erhältlich

Genauere Klassifizierung, wie z.B. Kupfer, Messing auf Anfrage

# CATEGORIZE METAL

## Inductive Sensors



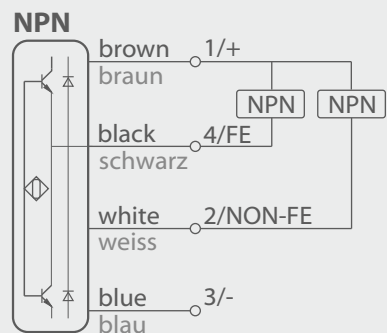
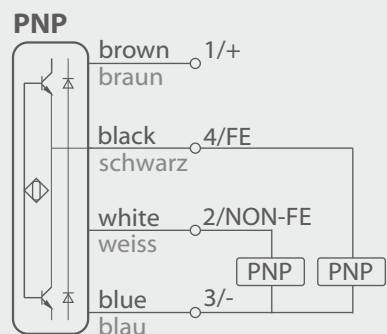
### Caution

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

### Achtung

alle Geräte in diesem Abschnitt dürfen nicht verwendet werden, wenn die Sicherheit von Personen von deren einwandfreier Funktion abhängig ist!

## CONNECTION



# INDUCTIVE

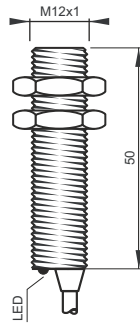
Shielded Bündig

M12 - 4 mm

NEW



FE / Non-FE  
FE / Nicht FE



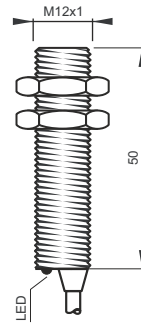
Shielded Bündig

M12 - 4 mm

NEW



FE / Non-FE  
FE / Nicht FE



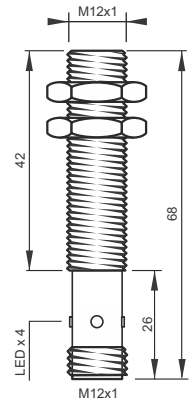
Shielded Bündig

M12 - 4 mm

NEW



FE / Non-FE  
FE / Nicht FE



Housing	Bauform	M12x1	M12x1	M12x1
Sensing Distance	Schaltabstand	4 mm	4 mm	4 mm
Betriebsspannung	Operating Voltage	10...30 VDC	10...30 VDC	10...30 VDC
Current Load Capability	Ausgangsbelastbarkeit	2 x 200 mA	2 x 200 mA	2 x 200 mA
Switching Frequency	Schaltfrequenz	100 Hz	100 Hz	100 Hz
Operating Temperature	Betriebstemperatur	-25...75 °C	-25...75 °C	-25...75 °C
Protection Class	Schutzklasse	IP67	IP67	IP67
Sensing Face	Sensorfläche	PBT	Stainless Steel Edelstahl	PBT
Housing	Gehäuse	Brass Messing	Stainless Steel Edelstahl	Brass Messing
Connection	Anschluss	PVC, Ultra-Flex	PVC, Ultra-Flex	Conn. M12 Stecker M12
Switching Indicator	Schaltanzeige	built-in Integriert	built-in Integriert	built-in Integriert
<b>Part Number   Artikelnummer</b>				
PNP, NO - 10... 30 VDC		IMS12-S4POO50-A2P	MFMS12-S4POO50-A2P	IMS12-S4POO68-A12
PNP, NC - 10... 30 VDC		IMS12-S4PCC50-A2P	MFMS12-S4PCC50-A2P	IMS12-S4PCC68-A12
NPN, NO - 10... 30 VDC		IMS12-S4NOO50-A2P	MFMS12-S4NOO50-A2P	IMS12-S4NOO68-A12
NPN, NC - 10... 30 VDC		IMS12-S2NCC50-A2P	MFMS12-S4NCC50-A2P	IMS12-S4NCC68-A12





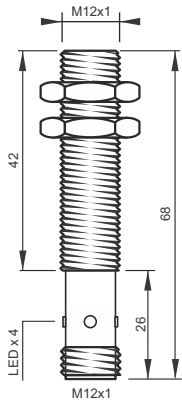
Shielded  
Bündig

**M12 - 4 mm**

NEW



FE / Non-FE  
FE / Nicht FE



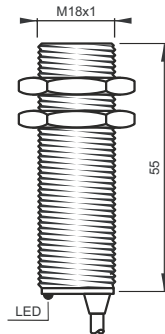
Shielded  
Bündig

**M18 - 7 mm**

NEW



FE / Non-FE  
FE / Nicht FE



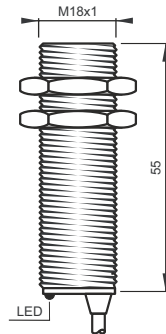
Shielded  
Bündig

**M18 - 7 mm**

NEW



FE / Non-FE  
FE / Nicht FE



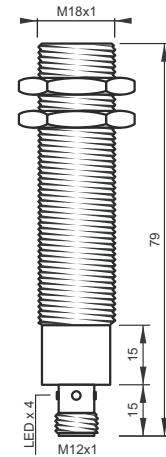
Shielded  
Bündig

**M18 - 7 mm**

NEW



FE / Non-FE  
FE / Nicht FE



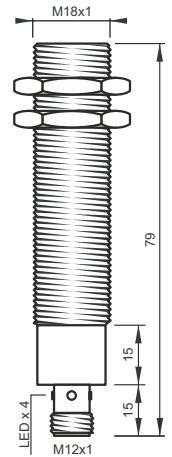
Shielded  
Bündig

**M18 - 7 mm**

NEW



FE / Non-FE  
FE / Nicht FE



**M12x1**

4 mm  
10...30 VDC  
2 x 200 mA  
100 Hz  
-25...75 °C

IP67

Stainless Steel Edelstahl  
Stainless Steel Edelstahl  
Conn. M12 Stecker M12  
built-in Integriert

MFMS12-S4POO68-A12  
MFMS12-S4PCC68-A12  
MFMS12-S4NOO68-A12  
MFMS12-S4NCC68-A12

**M18x1**

7 mm  
10...30 VDC  
2 x 200 mA  
100 Hz  
-25...75 °C

IP67

PBT  
Brass Messing  
PVC, Ultra-Flex  
built-in Integriert

IMS18-S7POO55-A2P  
IMS18-S7PCC55-A2P  
IMS18-S7NOO55-A2P  
IMS18-S7NCC55-A2P

**M18x1**

7 mm  
10...30 VDC  
2 x 200 mA  
100 Hz  
-25...75 °C

IP67

Stainless Steel Edelstahl  
Stainless Steel Edelstahl  
PVC, Ultra-Flex  
built-in Integriert

MFMS18-S7POO55-A2P  
MFMS18-S7PCC55-A2P  
MFMS18-S7NOO55-A2P  
MFMS18-S7NCC55-A2P

**M18x1**

7 mm  
10...30 VDC  
2 x 200 mA  
100 Hz  
-25...75 °C

IP67

PBT  
Brass Messing  
Conn. M12 Stecker M12  
built-in Integriert

IMS18-S7POO79-A12  
IMS18-S7PCC79-A12  
IMS18-S7NOO79-A12  
IMS18-S7NCC79-A12

**M18x1**

7 mm  
10...30 VDC  
2 x 200 mA  
100 Hz  
-25...75 °C

IP67

Stainless Steel Edelstahl  
Stainless Steel Edelstahl  
Conn. M12 Stecker M12  
built-in Integriert

MFMS18-S7POO79-A12  
MFMS18-S7PCC79-A12  
MFMS18-S7NOO79-A12  
MFMS18-S7NCC79-A12



# INDUCTIVE

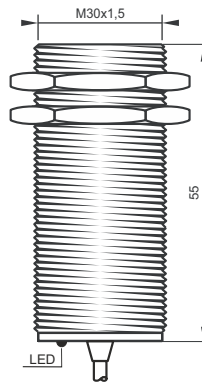
Shielded Bündig

M30

NEW



FE / Non-FE  
FE / Nicht FE



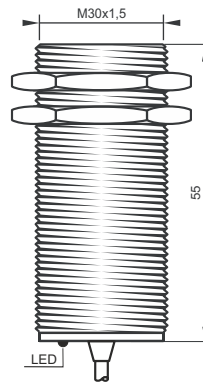
Shielded Bündig

M30

NEW



FE / Non-FE  
FE / Nicht FE



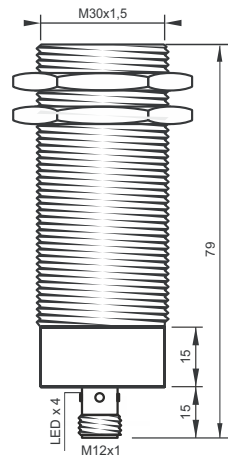
Shielded Bündig

M30

NEW



FE / Non-FE  
FE / Nicht FE



Housing	Bauform	M30x1.5		M30x1.5		M30x1.5	
Sensing Distance	Schaltabstand						
Betriebsspannung	Operating Voltage	10...30 VDC		10...30 VDC		10...30 VDC	
Current Load Capability	Ausgangsbelastbarkeit	2 x 200 mA		2 x 200 mA		2 x 200 mA	
Switching Frequency	Schaltfrequenz	100 Hz		100 Hz		100 Hz	
Operating Temperature	Betriebstemperatur	-25...75 °C		-25...75 °C		-25...75 °C	
Protection Class	Schutzklasse	IP67		IP67		IP67	
Sensing Face	Sensorfläche	PBT		Stainless Steel Edelstahl		PBT	
Housing	Gehäuse	Brass	Messing	Stainless Steel	Edelstahl	Brass	Messing
Connection	Anschluss	PVC, Ultra-Flex		PVC, Ultra-Flex		Conn. M12	Stecker M12
Switching Indicator	Schaltanzeige	built-in	Integriert	built-in	Integriert	built-in	Integriert
<b>Part Number   Artikelnummer</b>							
PNP, NO - 10... 30 VDC		IWI30		MFWI30		IWI30	
PNP, NC - 10... 30 VDC							
NPN, NO - 10... 30 VDC							
NPN, NC - 10... 30 VDC							



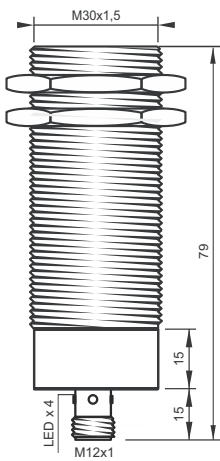
Shielded  
Bündig

**M30**

NEW



FE / Non-FE  
FE / Nicht FE



### M30x1.5

10...30 V<sub>DC</sub>

2 x 200 mA

100 Hz

-25...75 °C

IP67

Stainless Steel Edelstahl

Stainless Steel Edelstahl

Conn. M12 Stecker M12

built-in Integriert

MFWI30



XECRO reserves the right to make minor changes without prior notification.  
XECRO behält sich das Recht vor, geringfügige Anpassungen jederzeit durchzuführen.

## TOP BENEFITS

Extra high measuring distances

Excellent temperature stability

Voltage output 10 ... 0 V<sub>DC</sub>

Current output 20 ... 4 mA

## HAUPTVORTEILE

Extra hohe Messabstände

Exzellente Temperaturstabilität

Spannungsausgang 10 ... 0 V<sub>DC</sub>

Stromausgang 20 ... 4 mA

ANALOG OUTPUT

# ANALOG OUTPUT

## Inductive Sensors



### Caution

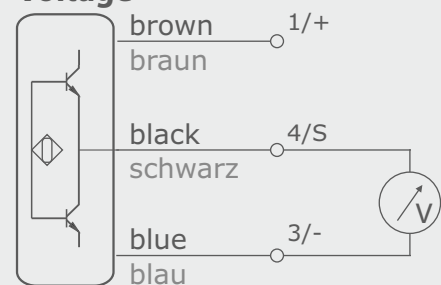
all devices from this section may not be used if the safety of persons rely on their faultless function!

### Achtung

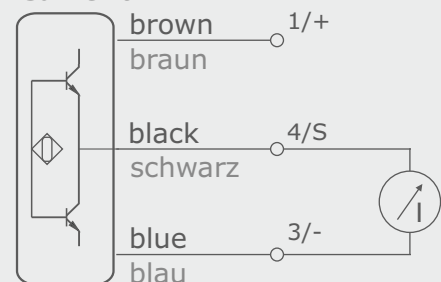
alle Geräte in diesem Abschnitt dürfen nicht verwendet werden, wenn die Sicherheit von Personen von deren einwandfreier Funktion abhängig ist!

## CONNECTION

### Voltage



### Current



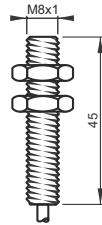
# INDUCTIVE

Shielded  
Bündig

**M8 - 3 mm**



Extended  
Erweitert

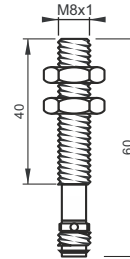


Shielded  
Bündig

**M8 - 3 mm**



Extended  
Erweitert

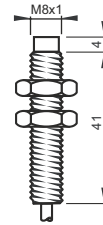


Unshielded  
Nicht bündig

**M8 - 6 mm**



Extended  
Erweitert



Housing	Bauform	M8x1	M8x1	M8x1
Measuring Distance	Messabstand	0.6...3 mm	0.6...3 mm	1.1...6 mm
Operating Voltage	Betriebsspannung	18...30 VDC	18...30 VDC	18...30 VDC
Load Resistor	Lastwiderstand	V: > 2 kOhm, A: 400 Ohm	V: > 2 kOhm, A: 400 Ohm	V: > 2 kOhm, A: 400 Ohm
Output Following Frequency	Ausgangsfolgefrequenz	100 Hz	100 Hz	100 Hz
Operating Temperature	Temperaturbereich	0...+70 °C	0...+70 °C	0...+70 °C
Protection Class	Schutzklasse	IP67	IP67	IP67
Sensing Face	Sensorfläche	PBT	PBT	PBT
Housing	Gehäuse	Stainless Steel Edelstahl	Stainless Steel Edelstahl	Brass Messing
Connection	Anschluss	PVC, Ultra-Flex	Conn. M8 Stecker M8	PVC, Ultra-Flex
Output Indicator	Schaltanzeige	None Keine	None Keine	None Keine
<b>Part Number   Artikelnummer</b>				
Voltage	Spannung	IA8-S3V010-N2P	IA8-S3V010-N8	IA8-N6V010-N2P
Current	Strom	IA8-S3I420-N2P	IA8-S3I420-N8	IA8-N6I420-N2P

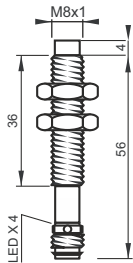


Unshielded  
Nicht bündig

**M8 - 6 mm**



Extended  
Erweitert

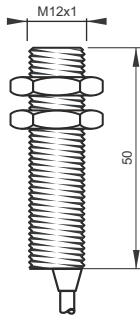


Shielded  
Bündig

**M12 - 6 mm**



Extended  
Erweitert

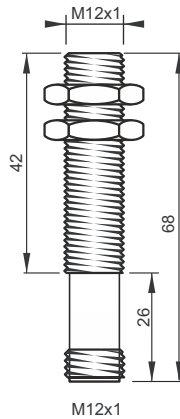


Shielded  
Bündig

**M12 - 6 mm**



Extended  
Erweitert

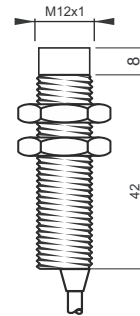


Unshielded  
Nicht bündig

**M12 - 10 mm**



Extended  
Erweitert

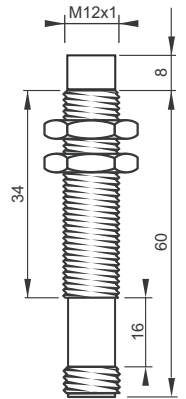


Unshielded  
Nicht bündig

**M12 - 10 mm**



Extended  
Erweitert



**M8x1**

1.1...6 mm  
18...30 VDC  
V: > 2 kOhm, A: 400 Ohm  
100 Hz  
0...+70 °C  
IP67  
PBT  
Brass      Messing  
Conn. M8    Stecker M8  
None      Keine

**M12x1**

0.6...6 mm  
18...30 VDC  
V: > 2 kOhm, A: 400 Ohm  
100 Hz  
0...+70 °C  
IP67  
PBT  
Brass      Messing  
PVC, Ultra-Flex  
None      Keine

**M12x1**

0.6...6 mm  
18...30 VDC  
V: > 2 kOhm, A: 400 Ohm  
100 Hz  
0...+70 °C  
IP67  
PBT  
Brass      Messing  
Conn. M12    Stecker M12  
None      Keine

**M12x1**

3.1...10 mm  
18...30 VDC  
V: > 2 kOhm, A: 400 Ohm  
100 Hz  
0...+70 °C  
IP67  
PBT  
Brass      Messing  
PVC, Ultra-Flex  
None      Keine

**M12x1**

3.1...10 mm  
18...30 VDC  
V: > 2 kOhm, A: 400 Ohm  
100 Hz  
0...+70 °C  
IP67  
PBT  
Brass      Messing  
Conn. M12    Stecker M12  
None      Keine

IA8-N6V010-N8  
IA8-N6I420-N8

IA12-S6V010-N2P  
IA12-S6I420-N2P

IA12-S6V010-N12  
IA12-S6I420-N12

IA12-N10V010-N2P  
IA12-N10I420-N2P

IA12-N10V010-N12  
IA12-N10I420-N12



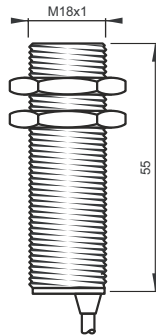
# INDUCTIVE

Shielded  
Bündig

**M18 - 10 mm**



Extended  
Erweitert



Shielded  
Bündig

**M18 - 10 mm**



Extended  
Erweitert

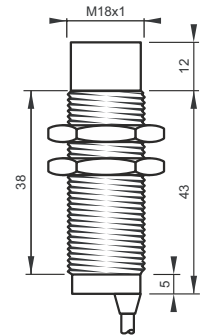


Unshielded  
Nicht bündig

**M18 - 20 mm**



Extended  
Erweitert



Housing	Bauform	M18x1	M18x1	M18x1
Measuring Distance	Messabstand	3.1...10 mm	3.1...10 mm	7.3...20 mm
Operating Voltage	Betriebsspannung	18...30 V <sub>DC</sub>	18...30 V <sub>DC</sub>	18...30 V <sub>DC</sub>
Load Resistor	Lastwiderstand	V: > 2 kOhm, A: 400 Ohm	V: > 2 kOhm, A: 400 Ohm	V: > 2 kOhm, A: 400 Ohm
Output Following Frequency	Ausgangsfolgefrequenz	100 Hz	100 Hz	100 Hz
Operating Temperature	Temperaturbereich	0...+70 °C	0...+70 °C	0...+70 °C
Protection Class	Schutzklasse	IP67	IP67	IP67
Sensing Face	Sensorfläche	PBT	PBT	PBT
Housing	Gehäuse	Brass      Messing	Brass      Messing	Brass      Messing
Connection	Anschluss	PVC, Ultra-Flex	Conn. M12    Stecker M12	PVC, Ultra-Flex
Output Indicator	Schaltanzeige	None      Keine	None      Keine	None      Keine
<b>Part Number   Artikelnummer</b>				
Voltage	Spannung	IA18-S10V010-N2P	IA18-S10V010-N12	IA18-N20V010-N2P
Current	Strom	IA18-S10I420-N2P	IA18-S10I420-N12	IA18-N20I420-N2P



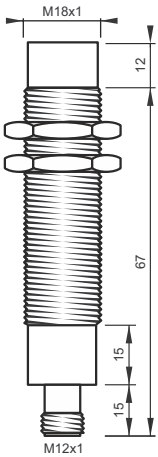


Unshielded  
Nicht bündig

**M18 - 20 mm**



Extended  
Erweitert

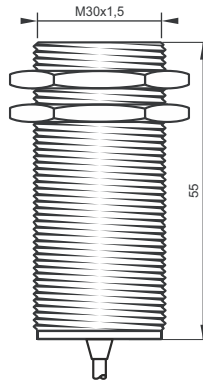


Shielded  
Bündig

**M30 - 20 mm**



Extended  
Erweitert

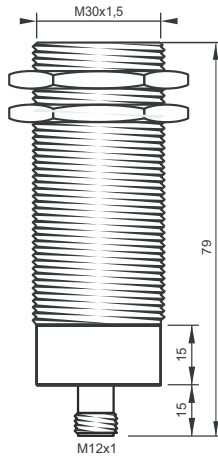


Shielded  
Bündig

**M30 - 20 mm**



Extended  
Erweitert

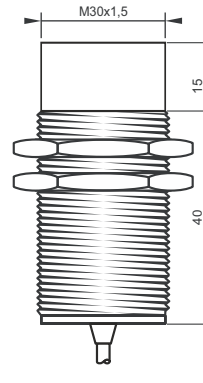


Unshielded  
Nicht bündig

**M30 - 40 mm**



Extended  
Erweitert

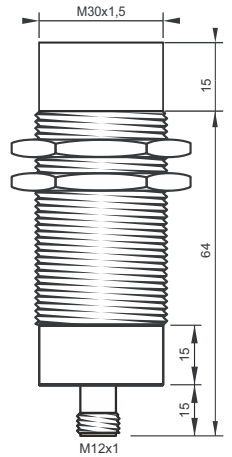


Unshielded  
Nicht bündig

**M30 - 40 mm**



Extended  
Erweitert



**M18x1**

7.3...20 mm  
18...30 VDC  
V: > 2 kOhm, A: 400 Ohm  
100 Hz  
0...+70 °C  
IP67  
PBT  
Brass      Messing  
Conn. M12    Stecker M12  
None      Keine

IA18-N20V010-N12  
IA18-N20I420-N12

**M30x1.5**

7.3...20 mm  
18...30 VDC  
V: > 2 kOhm, A: 400 Ohm  
100 Hz  
0...+70 °C  
IP67  
PBT  
Brass      Messing  
PVC, Ultra-Flex  
None      Keine

IA30-S20V010-N2P  
IA30-S20I420-N2P

**M30x1.5**

7.3...20 mm  
18...30 VDC  
V: > 2 kOhm, A: 400 Ohm  
100 Hz  
0...+70 °C  
IP67  
PBT  
Brass      Messing  
Conn. M12    Stecker M12  
None      Keine

IA30-S20V010-N12  
IA30-S20I420-N12

**M30x1.5**

17.6...40 mm  
18...30 VDC  
V: > 2 kOhm, A: 400 Ohm  
100 Hz  
0...+70 °C  
IP67  
PBT  
Brass      Messing  
PVC, Ultra-Flex  
None      Keine

IA30-N40V010-N2P  
IA30-N40I420-N2P

**M30x1.5**

17.6...40 mm  
18...30 VDC  
V: > 2 kOhm, A: 400 Ohm  
100 Hz  
0...+70 °C  
IP67  
PBT  
Brass      Messing  
Conn. M12    Stecker M12  
None      Keine

IA30-N40V010-N12  
IA30-N40I420-N12



## TOP BENEFITS

Highest sensing distances in its class

Sensitivity adjustment by multi-turn potentiometer

Metal housing from Ø6.5 mm ... M30

Plastic housing from Ø6.5 mm ... M30

PTFE (Teflon®) housings M18 ... M30

## HAUPTVORTEILE

Höchste Schaltabstände ihrer Klasse

Einstellung des Schaltpunktes mit Mehrgang-Potentiometer

Metallgehäuse von Ø6.5 mm ... M30

Kunststoffgehäuse von Ø6.5 mm ... M30

PTFE (Teflon®) Gehäuse M18 ... M30

# HIGH PERFORMANCE

## Capacitive Sensors



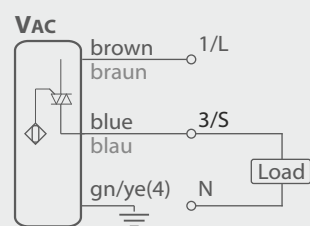
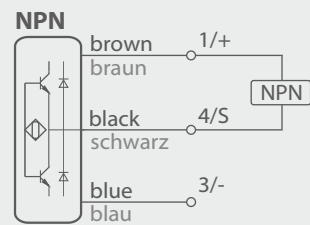
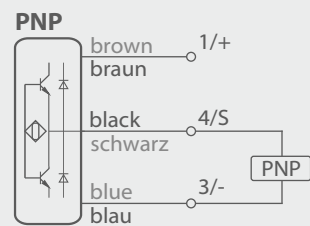
### Caution

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

### Achtung

alle Geräte in diesem Abschnitt dürfen nicht verwendet werden, wenn die Sicherheit von Personen von deren einwandfreier Funktion abhängig ist!

## CONNECTION



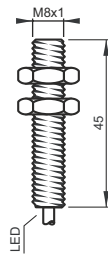
# CAPACITIVE

Shielded  
Bündig

**M8 - 2 mm**



Increased  
Erhöht

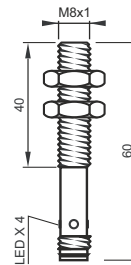


Shielded  
Bündig

**M8 - 2 mm**



Increased  
Erhöht

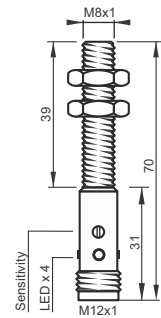


Shielded  
Bündig

**M8 - 2 mm**



Increased  
Erhöht



Housing	Bauform	M8x1	M8x1	M8x1
Sensing Distance	Schaltabstand	2 mm	2 mm	2 mm
Operating Voltage	Betriebsspannung	10...30 VDC	10...30 VDC	10...30 VDC
Current Load Capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA
Switching Frequency	Schaltfrequenz	100 Hz	100 Hz	100 Hz
Operating Temperature	Betriebstemperatur	-25...+70 °C	-25...+70 °C	-25...+70 °C
Protection Class	Schutzklasse	IP 67	IP 67	IP 67
Adjustment	Einstellung	-	-	-
Housing	Gehäuse	Stainless Steel Edelstahl	Stainless Steel Edelstahl	Stainless Steel Edelstahl
Connection	Anschluss	PVC, Ultra-Flex	Conn. M8 Stecker M8	Conn. M12 Stecker M12
Switching Indicator	Schaltanzeige	built-in integriert	built-in integriert	built-in integriert
<b>Part Number   Artikelnummer</b>				
PNP, NO - 10... 30 VDC		CS8-S2PO45-A2P	CS8-S2PO60-M8	CS8-S2PO70-A12
PNP, NC - 10... 30 VDC		CS8-S2PC45-A2P	CS8-S2PC60-M8	CS8-S2PC70-A12
NPN, NO - 10... 30 VDC		CS8-S2NO45-A2P	CS8-S2NO60-M8	CS8-S2NO70-A12
NPN, NC - 10... 30 VDC		CS8-S2NC45-A2P	CS8-S2NC60-M8	CS8-S2NC70-A12



Unshielded  
Nicht bündig

**M8 - 4 mm**



Unshielded  
Nicht bündig

**M8 - 4 mm**



Unshielded  
Nicht bündig

**M8 - 4 mm**



Shielded  
Bündig

**M12 - 4 mm**

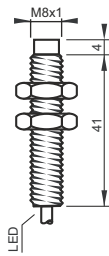


Shielded  
Bündig

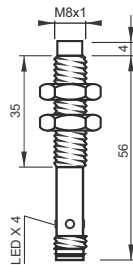
**M12 - 4 mm**



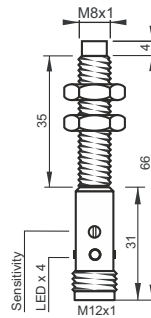
Increased  
Erhöht



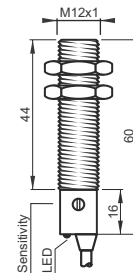
Increased  
Erhöht



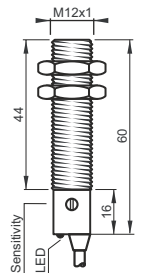
Increased  
Erhöht



Increased  
Erhöht



Increased  
Erhöht



**M8x1**

4 mm  
10...30 VDC  
200 mA  
100 Hz  
-25...+70 °C  
IP 67  
-  
Stainless Steel Edelstahl  
PVC, Ultra-Flex  
built-in integriert

**M8x1**

4 mm  
10...30 VDC  
200 mA  
100 Hz  
-25...+70 °C  
IP 67  
-  
Stainless Steel Edelstahl  
Conn. M8 Stecker M8  
built-in integriert

**M8x1**

4 mm  
10...30 VDC  
200 mA  
100 Hz  
-25...+70 °C  
IP 67  
Multi-turn Mehrgang  
Stainless Steel Edelstahl  
Conn. M12 Stecker M12  
built-in integriert

**M12x1**

4 mm  
10...30 VDC  
200 mA  
100 Hz  
-25...+70 °C  
IP 67  
Multi-turn Mehrgang  
Brass Messing  
PVC, Ultra-Flex  
built-in integriert

**M12x1**

4 mm  
10...30 VDC  
200 mA  
100 Hz  
-25...+70 °C  
IP 67  
Multi-turn Mehrgang  
PBT  
PVC, Ultra-Flex  
built-in integriert

CS8-N4PO45-A2P  
CS8-N4PC45-A2P  
CS8-N4NO45-A2P  
CS8-N4NC45-A2P

CS8-N4PO60-M8  
CS8-N4PC60-M8  
CS8-N4NO60-M8  
CS8-N4NC60-M8

CS8-N4PO70-A12  
CS8-N4PC70-A12  
CS8-N4NO70-A12  
CS8-N4NC70-A12

CS12-S4PO60-A2P  
CS12-S4PC60-A2P  
CS12-S4NO60-A2P  
CS12-S4NC60-A2P

CS12-S4PO60P-A2P  
CS12-S4PC60P-A2P  
CS12-S4NO60P-A2P  
CS12-S4NC60P-A2P



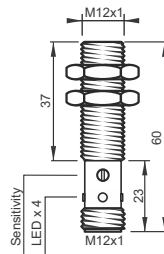
# CAPACITIVE

Shielded Bündig

M12 - 4 mm



Increased Erhöht

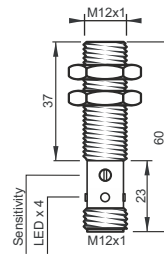


Shielded Bündig

M12 - 4 mm



Increased Erhöht

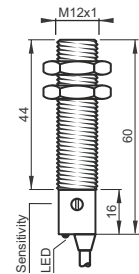


Shielded Bündig

M12 - 6 mm



Extended Erweitert



Housing	Bauform	M12x1		M12x1		M12x1	
Sensing Distance	Schaltabstand	4 mm		4 mm		6 mm	
Operating Voltage	Betriebsspannung	10...30 VDC		10...30 VDC		10...30 VDC	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	100 Hz		100 Hz		100 Hz	
Operating Temperature	Betriebstemperatur	-25...+70 °C		-25...+70 °C		-25...+70 °C	
Protection Class	Schutzklasse	IP 67		IP 67		IP 67	
Adjustment	Einstellung	Multi-turn	Mehrgang	Multi-turn	Mehrgang	Multi-turn	Mehrgang
Housing	Gehäuse	Brass	Messing	PBT		Brass	Messing
Connection	Anschluss	Conn. M12	Stecker M12	Conn. M12	Stecker M12	PVC, Ultra-Flex	
Switching Indicator	Schaltanzeige	built-in	integriert	built-in	integriert	built-in	integriert
<b>Part Number   Artikelnummer</b>							
PNP, NO - 10... 30 VDC		CS12-S4PO60-A12		CS12-S4PO60P-A12		CS12-S6PO60-A2P	
PNP, NC - 10... 30 VDC		CS12-S4PC60-A12		CS12-S4PC60P-A12		CS12-S6PC60-A2P	
NPN, NO - 10... 30 VDC		CS12-S4NO60-A12		CS12-S4NO60P-A12		CS12-S6NO60-A2P	
NPN, NC - 10... 30 VDC		CS12-S4NC60-A12		CS12-S4NC60P-A12		CS12-S6NC60-A2P	



Shielded  
Bündig

**M12 - 6 mm**



Shielded  
Bündig

**M12 - 6 mm**



Shielded  
Bündig

**M12 - 6 mm**



Unshielded  
Nicht bündig

**M12 - 8 mm**

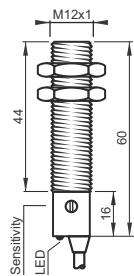


Unshielded  
Nicht bündig

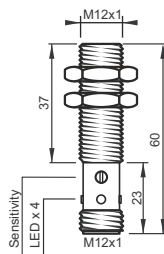
**M12 - 8 mm**



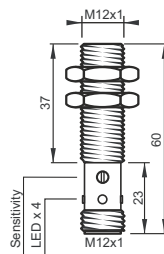
Extended  
Erweitert



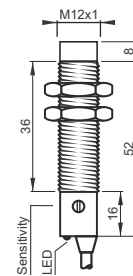
Extended  
Erweitert



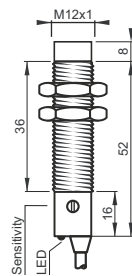
Extended  
Erweitert



Increased  
Erhöht



Increased  
Erhöht



M12x1		M12x1		M12x1		M12x1		M12x1	
6 mm		6 mm		6 mm		8 mm		8 mm	
10...30 VDC		10...30 VDC		10...30 VDC		10...30 VDC		10...30 VDC	
200 mA		200 mA		200 mA		200 mA		200 mA	
100 Hz		100 Hz		100 Hz		100 Hz		100 Hz	
-25...+70 °C		-25...+70 °C		-25...+70 °C		-25...+70 °C		-25...+70 °C	
IP 67		IP 67		IP 67		IP 67		IP 67	
Multi-turn	Mehrgang	Multi-turn	Mehrgang	Multi-turn	Mehrgang	Multi-turn	Mehrgang	Multi-turn	Mehrgang
PBT		Brass	Messing	PBT		Brass	Messing	PBT	
PVC, Ultra-Flex		Conn. M12	Stecker M12	Conn. M12	Stecker M12	PVC, Ultra-Flex		PVC, Ultra-Flex	
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
CS12-S6PO60P-A2P		CS12-S6PO60-A12		CS12-S6PO60P-A12		CS12-N8PO60-A2P		CS12-N8PO60P-A2P	
CS12-S6PC60P-A2P		CS12-S6PC60-A12		CS12-S6PC60P-A12		CS12-N8PC60-A2P		CS12-N8PC60P-A2P	
CS12-S6NO60P-A2P		CS12-S6NO60-A12		CS12-S6NO60P-A12		CS12-N8NO60-A2P		CS12-N8NO60P-A2P	
CS12-S6NC60P-A2P		CS12-S6NC60-A12		CS12-S6NC60P-A12		CS12-N8NC60-A2P		CS12-N8NC60P-A2P	



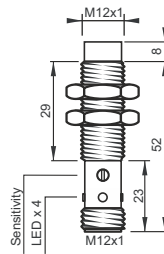
# CAPACITIVE

Unshielded  
Nicht bündig

**M12 - 8 mm**



Increased  
Erhöht

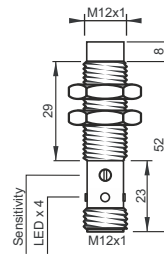


Unshielded  
Nicht bündig

**M12 - 8 mm**



Increased  
Erhöht

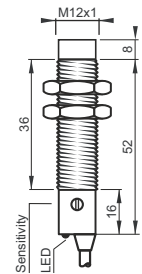


Unshielded  
Nicht bündig

**M12 - 10 mm**



Extended  
Erweitert



Housing	Bauform	M12x1		M12x1		M12x1	
Sensing Distance	Schaltabstand	8 mm		8 mm		10 mm	
Operating Voltage	Betriebsspannung	10...30 VDC		10...30 VDC		10...30 VDC	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	100 Hz		100 Hz		100 Hz	
Operating Temperature	Betriebstemperatur	-25...+70 °C		-25...+70 °C		-25...+70 °C	
Protection Class	Schutzklasse	IP 67		IP 67		IP 67	
Adjustment	Einstellung	Multi-turn	Mehrgang	Multi-turn	Mehrgang	Multi-turn	Mehrgang
Housing	Gehäuse	Brass	Messing	PBT		Brass	Messing
Connection	Anschluss	Conn. M12	Stecker M12	Conn. M12	Stecker M12	PVC, Ultra-Flex	
Switching Indicator	Schaltanzeige	built-in	integriert	built-in	integriert	built-in	integriert
<b>Part Number   Artikelnummer</b>							
PNP, NO - 10... 30 VDC		CS12-N8PO60-A12		CS12-N8PO60P-A12		CS12-N10PO60-A2P	
PNP, NC - 10... 30 VDC		CS12-N8PC60-A12		CS12-N8PC60P-A12		CS12-N10PC60-A2P	
NPN, NO - 10... 30 VDC		CS12-N8NO60-A12		CS12-N8NO60P-A12		CS12-N10NO60-A2P	
NPN, NC - 10... 30 VDC		CS12-N8NC60-A12		CS12-N8NC60P-A12		CS12-N10NC60-A2P	





Unshielded  
Nicht bündig

**M12 - 10 mm**



Unshielded  
Nicht bündig

**M12 - 10 mm**



Unshielded  
Nicht bündig

**M12 - 10 mm**



Shielded  
Bündig

**M18 - 8 mm**

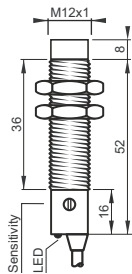


Shielded  
Bündig

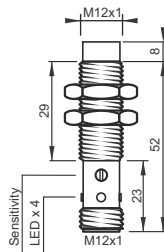
**M18 - 8 mm**



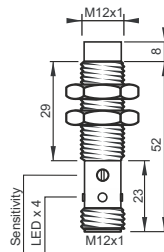
Extended  
Erweitert



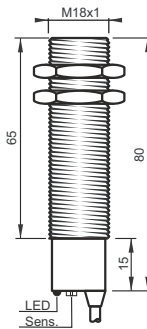
Extended  
Erweitert



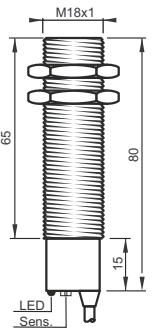
Extended  
Erweitert



Increased  
Erhöht



Increased  
Erhöht



**M12x1**

10 mm

10...30 VDC

200 mA

100 Hz

-25...+70 °C

IP 67

Multi-turn Mehrgang

PBT

PVC, Ultra-Flex

built-in integriert

CS12-N10PO60P-A2P

CS12-N10PC60P-A2P

CS12-N10NO60P-A2P

CS12-N10NC60P-A2P

**M12x1**

10 mm

10...30 VDC

200 mA

100 Hz

-25...+70 °C

IP 67

Multi-turn Mehrgang

Brass Messing

Conn. M12 Stecker M12

built-in integriert

CS12-N10PO60-A12

CS12-N10PC60-A12

CS12-N10NO60-A12

CS12-N10NC60-A12

**M12x1**

10 mm

10...30 VDC

200 mA

100 Hz

-25...+70 °C

IP 67

Multi-turn Mehrgang

PBT

Conn. M12 Stecker M12

built-in integriert

CS12-N10PO60P-A12

CS12-N10PC60P-A12

CS12-N10NO60P-A12

CS12-N10NC60P-A12

**M18x1**

8 mm

10...30 VDC

200 mA

100 Hz

-25...+70 °C

IP 67

Multi-turn Mehrgang

Brass Messing

PVC, Ultra-Flex

built-in integriert

CS18-S8PO80-A2P

CS18-S8PC80-A2P

CS18-S8NO80-A2P

CS18-S8NC80-A2P

**M18x1**

8 mm

10...30 VDC

200 mA

100 Hz

-25...+70 °C

IP 67

Multi-turn Mehrgang

PBT

PVC, Ultra-Flex

built-in integriert

CS18-S8PO80P-A2P

CS18-S8PC80P-A2P

CS18-S8NO80P-A2P

CS18-S8NC80P-A2P



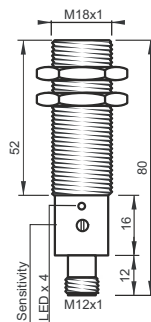
# CAPACITIVE

Shielded Bündig

**M18 - 8 mm**



Increased Erhöht

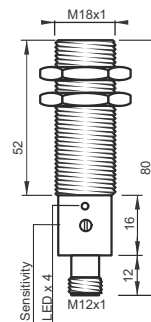


Shielded Bündig

**M18 - 8 mm**



Increased Erhöht

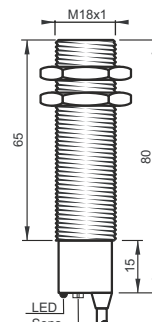


Shielded Bündig

**M18 - 12 mm**



Extended Erweitert



Housing	Bauform	M18x1		M18x1		M18x1	
Sensing Distance	Schaltabstand	8 mm		8 mm		12 mm	
Operating Voltage	Betriebsspannung	10...30 Vdc		10...30 Vdc		10...30 Vdc	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	100 Hz		100 Hz		100 Hz	
Operating Temperature	Betriebstemperatur	-25...+70 °C		-25...+70 °C		-25...+70 °C	
Protection Class	Schutzklasse	IP 67		IP 67		IP 67	
Adjustment	Einstellung	Multi-turn	Mehrgang	Multi-turn	Mehrgang	Multi-turn	Mehrgang
Housing	Gehäuse	Brass	Messing	PBT		Brass	Messing
Connection	Anschluss	Conn. M12	Stecker M12	Conn. M12	Stecker M12	PVC, Ultra-Flex	
Switching Indicator	Schaltanzeige	built-in	integriert	built-in	integriert	built-in	integriert
<b>Part Number   Artikelnummer</b>							
PNP, NO - 10... 30 VDC		CS18-S8PO80-A12		CS18-S8PO80P-A12		CS18-S12PO80-A2P	
PNP, NC - 10... 30 VDC		CS18-S8PO80-A12		CS18-S8PO80P-A12		CS18-S12PC80-A2P	
NPN, NO - 10... 30 VDC		CS18-S8NO80-A12		CS18-S8NO80P-A12		CS18-S12NO80-A2P	
NPN, NC - 10... 30 VDC		CS18-S8NC80-A12		CS18-S8NC80P-A12		CS18-S12NC80-A2P	



" Only for mechanical set-up – LED may die if operated at temperatures beyond 120°C (250°F); LED functionality is not covered by warranty "  
 „Nur zur mechanischen Justage – bei Temperaturen über 120°C kann die LED ausfallen; LED Funktionalität nicht durch Garantie gedeckt "

Shielded  
Bündig

**M18 - 12 mm**



Shielded  
Bündig

**M18 - 12 mm**



Shielded  
Bündig

**M18 - 12 mm**



Unshielded  
Nicht bündig

**M18 - 15 mm**

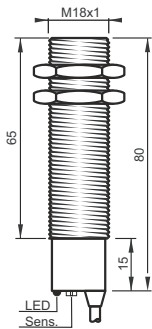


Unshielded  
Nicht bündig

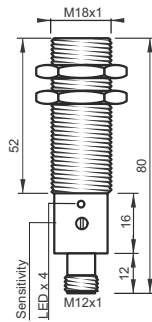
**M18 - 15 mm**



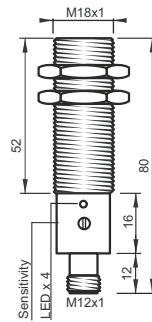
Extended  
Erweitert



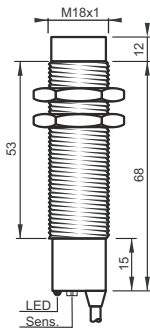
Extended  
Erweitert



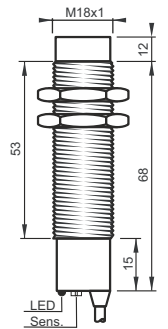
Extended  
Erweitert



Increased  
Erhöht



Increased  
Erhöht



**M18x1**

12 mm  
10...30 VDC  
200 mA  
100 Hz  
-25...+70 °C  
IP 67  
Multi-turn Mehrgang  
PBT  
PVC, Ultra-Flex  
built-in integriert

**M18x1**

12 mm  
10...30 VDC  
200 mA  
100 Hz  
-25...+70 °C  
IP 67  
Multi-turn Mehrgang  
Brass Messing  
Conn. M12 Stecker M12  
built-in integriert

**M18x1**

12 mm  
10...30 VDC  
200 mA  
100 Hz  
-25...+70 °C  
IP 67  
Multi-turn Mehrgang  
PBT  
Conn. M12 Stecker M12  
built-in integriert

**M18x1**

15 mm  
10...30 VDC  
200 mA  
100 Hz  
-25...+70 °C  
IP 67  
Multi-turn Mehrgang  
Brass Messing  
PVC, Ultra-Flex  
built-in integriert

**M18x1**

15 mm  
10...30 VDC  
200 mA  
100 Hz  
-25...+70 °C  
IP 67  
Multi-turn Mehrgang  
PBT  
PVC, Ultra-Flex  
built-in integriert

CS18-S12PO80P-A2P  
CS18-S12PC80P-A2P  
CS18-S12NO80P-A2P  
CS18-S12NC80P-A2P

CS18-S12PO80-A12  
CS18-S12PC80-A12  
CS18-S12NO80-A12  
CS18-S12NC80-A12

CS18-S12PO80P-A12  
CS18-S12PC80P-A12  
CS18-S12NO80P-A12  
CS18-S12NC80P-A12

CS18-N15PO80-A2P  
CS18-N15PC80P-A2P  
CS18-N15NO80-A2P  
CS18-N15NC80P-A2P

CS18-N15PO80P-A2P  
CS18-N15PC80P-A2P  
CS18-N15NO80P-A2P  
CS18-N15NC80P-A2P



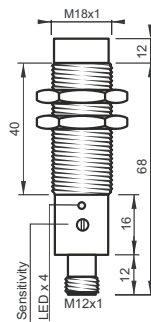
# CAPACITIVE

Unshielded  
Nicht bündig

**M18 - 15 mm**



Increased  
Erhöht

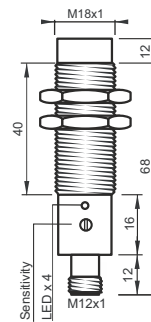


Unshielded  
Nicht bündig

**M18 - 15 mm**



Increased  
Erhöht

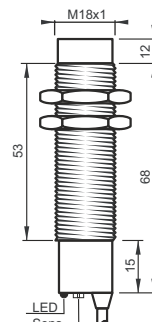


Unshielded  
Nicht bündig

**M18 - 20 mm**



Extended  
Erweitert



Housing	Bauform	M18x1		M18x1		M18x1	
Sensing Distance	Schaltabstand	15 mm		15 mm		20 mm	
Operating Voltage	Betriebsspannung	10...30 Vdc		10...30 Vdc		10...30 Vdc	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	100 Hz		100 Hz		100 Hz	
Operating Temperature	Betriebstemperatur	-25...+70 °C		-25...+70 °C		-25...+70 °C	
Protection Class	Schutzklasse	IP 67		IP 67		IP 67	
Adjustment	Einstellung	Multi-turn	Mehrgang	Multi-turn	Mehrgang	Multi-turn	Mehrgang
Housing	Gehäuse	Brass	Messing	PBT		Brass	Messing
Connection	Anschluss	Conn. M12	Stecker M12	Conn. M12	Stecker M12	PVC, Ultra-Flex	
Switching Indicator	Schaltanzeige	built-in	integriert	built-in	integriert	built-in	integriert
<b>Part Number   Artikelnummer</b>							
PNP, NO - 10... 30 VDC		CS18-N15PO80-A12		CS18-N15PO80P-A12		CS18-N20PO80-A2P	
PNP, NC - 10... 30 VDC		CS18-N15PO80-A12		CS18-N15PO80P-A12		CS18-N20PC80-A2P	
NPN, NO - 10... 30 VDC		CS18-N15NO80-A12		CS18-N15NO80P-A12		CS18-N20NO80-A2P	
NPN, NC - 10... 30 VDC		CS18-N15NC80-A12		CS18-N15NC80P-A12		CS18-N20NC80-A2P	

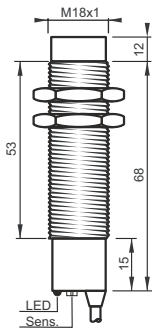


Unshielded  
Nicht bündig

**M18 - 20 mm**



Extended  
Erweitert

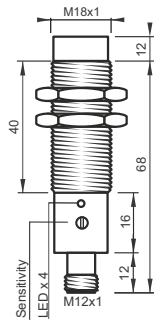


Unshielded  
Nicht bündig

**M18 - 20 mm**



Extended  
Erweitert

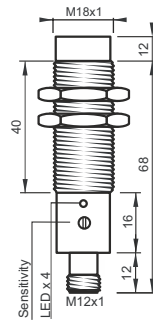


Unshielded  
Nicht bündig

**M18 - 20 mm**



Extended  
Erweitert

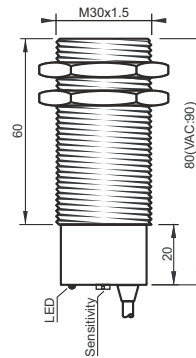


Shielded  
Bündig

**M30 - 20 mm**



Increased  
Erhöht

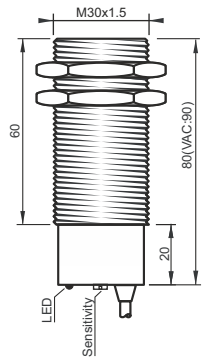


Shielded  
Bündig

**M30 - 20 mm**



Increased  
Erhöht



M18x1		M18x1		M18x1		M30x1.5		M30x1.5	
20 mm		20 mm		20 mm		20 mm		20 mm	
10...30 VDC		10...30 VDC		10...30 VDC		10...30 VDC		10...30 VDC	
200 mA		200 mA		200 mA		200 mA		200 mA	
100 Hz		100 Hz		100 Hz		100 Hz		100 Hz	
-25...+70 °C		-25...+70 °C		-25...+70 °C		-25...+70 °C		-25...+70 °C	
IP 67		IP 67		IP 67		IP 67		IP 67	
Multi-turn	Mehrgang	Multi-turn	Mehrgang	Multi-turn	Mehrgang	Multi-turn	Mehrgang	Multi-turn	Mehrgang
PBT		Brass	Messing	PBT		Brass	Messing	PBT	
PVC, Ultra-Flex		Conn. M12	Stecker M12	Conn. M12	Stecker M12	PVC, Ultra-Flex		PVC, Ultra-Flex	
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
CS18-N20PO80P-A2P		CS18-N20PO80-A12		CS18-N20PO80P-A12		CS30-S20PO80-A2P		CS30-S20PO80P-A2P	
CS18-N20PC80P-A2P		CS18-N20PO80-A12		CS18-N20PO80P-A12		CS30-S20PC80-A2P		CS30-S20PC80P-A2P	
CS18-N20NO80P-A2P		CS18-N20NO80-A12		CS18-N20NO80P-A12		CS30-S20NO80-A2P		CS30-S20NO80P-A2P	
CS18-N20NC80P-A2P		CS18-N20NC80-A12		CS18-N20NC80P-A12		CS30-S20NC80-A2P		CS30-S20NC80P-A2P	



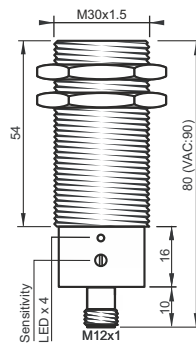
# CAPACITIVE

Shielded  
Bündig

M30 - 20 mm



Increased  
Erhöht

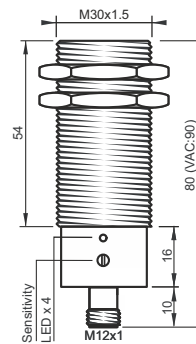


Shielded  
Bündig

M30 - 20 mm



Increased  
Erhöht

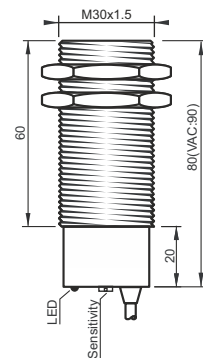


Shielded  
Bündig

M30 - 25 mm



Extended  
Erweitert



Housing	Bauform	M30x1.5		M30x1.5		M30x1.5	
Sensing Distance	Schaltabstand	20 mm		20 mm		25 mm	
Operating Voltage	Betriebsspannung	10...30 Vdc		10...30 Vdc		10...30 Vdc	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	100 Hz		100 Hz		100 Hz	
Operating Temperature	Betriebstemperatur	-25...+70 °C		-25...+70 °C		-25...+70 °C	
Protection Class	Schutzklasse	IP 67		IP 67		IP 67	
Adjustment	Einstellung	Multi-turn	Mehrgang	Multi-turn	Mehrgang	Multi-turn	Mehrgang
Housing	Gehäuse	Brass	Messing	PBT		Brass	Messing
Connection	Anschluss	Conn. M12	Stecker M12	Conn. M12	Stecker M12	PVC, Ultra-Flex	
Switching Indicator	Schaltanzeige	built-in	integriert	built-in	integriert	built-in	integriert
<b>Part Number   Artikelnummer</b>							
PNP, NO - 10... 30 VDC		CS30-S20PO80-A12		CS30-S20PO80P-A12		CS30-S25PO80-A2P	
PNP, NC - 10... 30 VDC		CS30-S20PC80-A12		CS30-S20PC80P-A12		CS30-S25PC80-A2P	
NPN, NO - 10... 30 VDC		CS30-S20NO80-A12		CS30-S20NO80P-A12		CS30-S25NO80-A2P	
NPN, NC - 10... 30 VDC		CS30-S20NC80-A12		CS30-S20NC80P-A12		CS30-S25NC80-A2P	



Shielded  
Bündig

**M30 - 25 mm**



Shielded  
Bündig

**M30 - 25 mm**



Shielded  
Bündig

**M30 - 25 mm**



Unshielded  
Nicht bündig

**M30 - 30 mm**

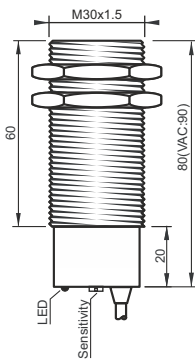


Unshielded  
Nicht bündig

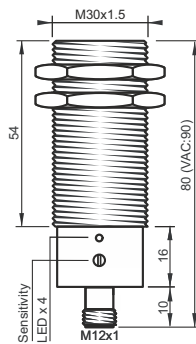
**M30 - 30 mm**



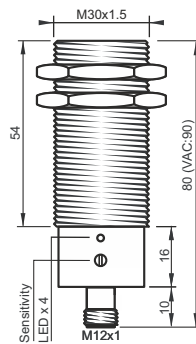
Extended  
Erweitert



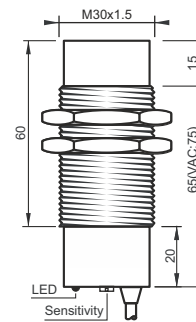
Extended  
Erweitert



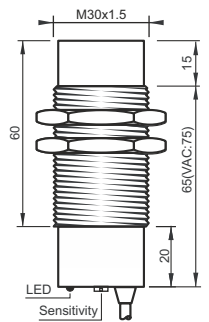
Extended  
Erweitert



Increased  
Erhöht



Increased  
Erhöht



**M30x1.5**

25 mm  
10...30 Vdc  
200 mA  
100 Hz  
-25...+70 °C  
IP 67  
Multi-turn  
PBT  
PVC, Ultra-Flex  
built-in

Mehrgang  
integriert

**M30x1.5**

25 mm  
10...30 Vdc  
200 mA  
100 Hz  
-25...+70 °C  
IP 67  
Multi-turn  
Brass  
Conn. M12

Mehrgang  
Stecker M12  
integriert

**M30x1.5**

25 mm  
10...30 Vdc  
200 mA  
100 Hz  
-25...+70 °C  
IP 67  
Multi-turn  
PBT  
Conn. M12

Mehrgang  
Stecker M12  
integriert

**M30x1.5**

30 mm  
10...30 Vdc  
200 mA  
100 Hz  
-25...+70 °C  
IP 67  
Multi-turn  
Brass  
PVC, Ultra-Flex  
built-in

Mehrgang  
Messing  
integriert

**M30x1.5**

30 mm  
10...30 Vdc  
200 mA  
100 Hz  
-25...+70 °C  
IP 67  
Multi-turn  
PBT  
PVC, Ultra-Flex  
built-in

Mehrgang  
integriert

CS30-S25PO80P-A2P  
CS30-S25PC80P-A2P  
CS30-S25NO80P-A2P  
CS30-S25NC80P-A2P

CS30-S25PO80-A12  
CS30-S25PC80-A12  
CS30-S25NO80-A12  
CS30-S25NC80-A12

CS30-S25PO80P-A12  
CS30-S25PC80P-A12  
CS30-S25NO80P-A12  
CS30-S25NC80P-A12

CS30-N30PO80-A2P  
CS30-N30PC80-A2P  
CS30-N30NO80-A2P  
CS30-N30NC80-A2P

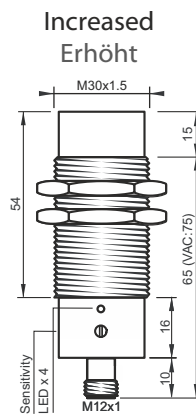
CS30-N30PO80P-A2P  
CS30-N30PC80P-A2P  
CS30-N30NO80P-A2P  
CS30-N30NC80P-A2P



# CAPACITIVE

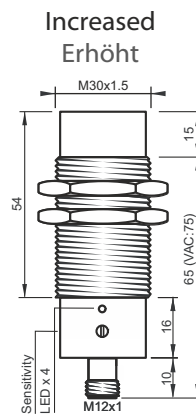
Unshielded  
Nicht bündig

**M30 - 30 mm**



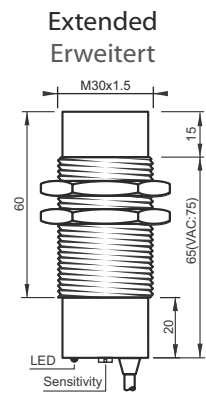
Unshielded  
Nicht bündig

**M30 - 30 mm**



Unshielded  
Nicht bündig

**M30 - 35 mm**



Housing	Bauform	M30x1.5		M30x1.5		M30x1.5	
Sensing Distance	Schaltabstand	30 mm		30 mm		35 mm	
Operating Voltage	Betriebsspannung	10...30 Vdc		10...30 Vdc		10...30 Vdc	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	100 Hz		100 Hz		100 Hz	
Operating Temperature	Betriebstemperatur	-25...+70 °C		-25...+70 °C		-25...+70 °C	
Protection Class	Schutzklasse	IP 67		IP 67		IP 67	
Adjustment	Einstellung	Multi-turn	Mehrgang	Multi-turn	Mehrgang	Multi-turn	Mehrgang
Housing	Gehäuse	Messing   Brass Brass		PBT		Brass	Messing
Connection	Anschluss	Conn. M12	Stecker M12	Conn. M12	Stecker M12	PVC, Ultra-Flex	
Switching Indicator	Schaltanzeige	built-in	integriert	built-in	integriert	built-in	integriert
<b>Part Number   Artikelnummer</b>							
PNP, NO - 10... 30 VDC		CS30-N30PO80-A12		CS30-N30PO80P-A12		CS30-N35PO80-A2P	
PNP, NC - 10... 30 VDC		CS30-N30PC80-A12		CS30-N30PC80P-A12		CS30-N35PC80-A2P	
NPN, NO - 10... 30 VDC		CS30-N30NO80-A12		CS30-N30NO80P-A12		CS30-N35NO80-A2P	
NPN, NC - 10... 30 VDC		CS30-N30NC80-A12		CS30-N30NC80P-A12		CS30-N35NC80-A2P	





Unshielded  
Nicht bündig

**M30 - 35 mm**



Unshielded  
Nicht bündig

**M30 - 35 mm**



Unshielded  
Nicht bündig

**M30 - 35 mm**



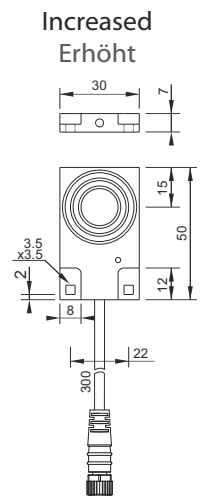
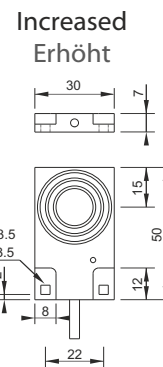
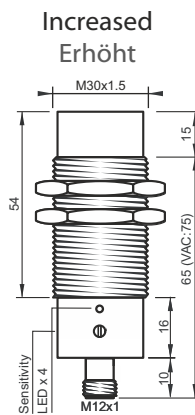
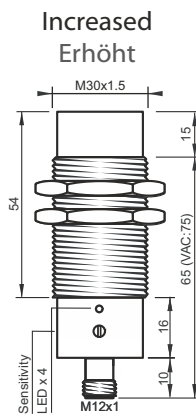
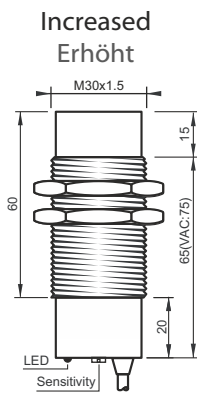
Shielded  
Bündig

**30x50 - 6 mm**



Shielded  
Bündig

**30x50 - 6 mm**



M30x1.5		M30x1.5		M30x1.5		30x50		30x50	
35 mm		35 mm		35 mm		6 mm		6 mm	
10...30 VDC		10...30 VDC		10...30 VDC		10...30 VDC		10...30 VDC	
200 mA		200 mA		200 mA		200 mA		200 mA	
100 Hz		100 Hz		100 Hz		100 Hz		100 Hz	
-25...+70 °C		-25...+70 °C		-25...+70 °C		-25...+70 °C		-25...+70 °C	
IP 67		IP 67		IP 67		IP 67		IP 67	
Multi-turn	Mehrgang	Multi-turn	Mehrgang	Multi-turn	Mehrgang	Multi-turn	Mehrgang	Multi-turn	Mehrgang
PBT		Brass	Messing	PBT		PBT		PBT	
PVC, Ultra-Flex		Conn. M12	Stecker M12	Conn. M12	Stecker M12	PVC, Ultra-Flex		300 mm, M8	
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
CS30-N35PO80P-A2P		CS30-N35PO80-A12		CS30-N35PO80P-A12		CS3050-S6PO7-A2P		CS3050-S6PO7-3P8	
CS30-N35PC80P-A2P		CS30-N35PC80-A12		CS30-N35PC80P-A12		CS3050-S6PC7-A2P		CS3050-S6PC7-3P8	
CS30-N35NO80P-A2P		CS30-N35NO80-A12		CS30-N35NO80P-A12		CS3050-S6NO7-A2P		CS3050-S6NO7-3P8	
CS30-N35NC80P-A2P		CS30-N35NC80-A12		CS30-N35NC80P-A12		CS3050-S6NC7-A2P		CS3050-S6NC7-3P8	



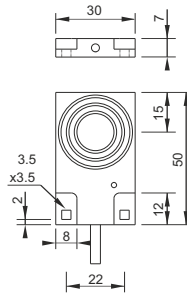
# CAPACITIVE

Unshielded  
Nicht bündig

**30x50 - 10 mm**



Increased  
Erhöht

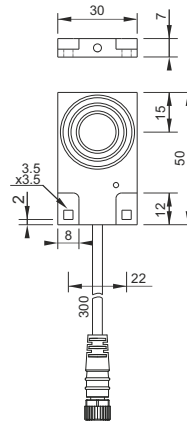


Unshielded  
Nicht bündig

**30x50 - 10 mm**



Increased  
Erhöht

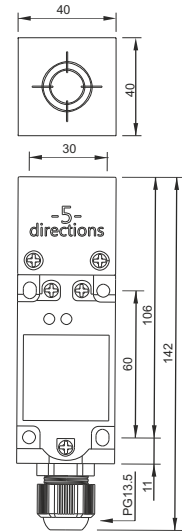


Shielded  
Bündig

**40x40 - 20 mm**



Increased  
Erhöht



Housing	Bauform	30x50		30x50		40x40 mm	
Sensing Distance	Schaltabstand	10 mm		10 mm		20 mm	
Operating Voltage	Betriebsspannung	10...30 VDC		10...30 VDC		10...30 VDC	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	100 Hz		100 Hz		100 Hz	
Operating Temperature	Betriebstemperatur	-25...+70 °C		-25...+70 °C		-25...+70 °C	
Protection Class	Schutzklasse	IP 67		IP 67		IP 67	
Adjustment	Einstellung	Multi-turn	Mehrgang	Multi-turn	Mehrgang	Multi-turn	Mehrgang
Housing	Gehäuse	PBT		PBT		PBT	
Connection	Anschluss	PVC, Ultra-Flex		300 mm, M8		Terminal	Klemme
Switching Indicator	Schaltanzeige	built-in	integriert	built-in	integriert	built-in	integriert
<b>Part Number   Artikelnummer</b>							
PNP, NO - 10... 30 VDC		CS3050-N10PO7-A2P		CS3050-N10PO7-3P8		CS40-S20POL-PG13	
PNP, NC - 10... 30 VDC		CS3050-N10PC7-A2P		CS3050-N10PC7-3P8		CS40-S20PCL-PG13	
NPN, NO - 10... 30 VDC		CS3050-N10NO7-A2P		CS3050-N10NO7-3P8		CS40-S20NOL-PG13	
NPN, NC - 10... 30 VDC		CS3050-N10NC7-A2P		CS3050-N10NC7-3P8		CS40-S20NCL-PG13	

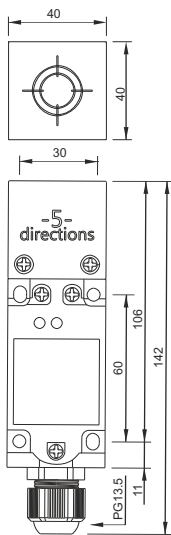


Unshielded  
Nicht bündig

**40x40 - 30 mm**



Increased  
Erhöht



#### 40x40 mm

30 mm

10...30 V<sub>DC</sub>

200 mA

100 Hz

-25...+70 °C

IP 67

Multi-turn    Mehrgang

PBT

Terminal      Klemme

built-in       integriert

CS40-N30POL-PG13

CS40-N30PCL-PG13

CS40-N30NOL-PG13

CS40-N30NCL-PG13



XECRO reserves the right to make minor changes without prior notification.  
XECRO behält sich das Recht vor, geringfügige Anpassungen jederzeit durchzuführen.

# CAPACITIVE

Ø 6 mm - static  
Ø 6 mm - statisch

adjustable

NEW



Ø 6 mm - static  
Ø 6 mm - statisch

adjustable

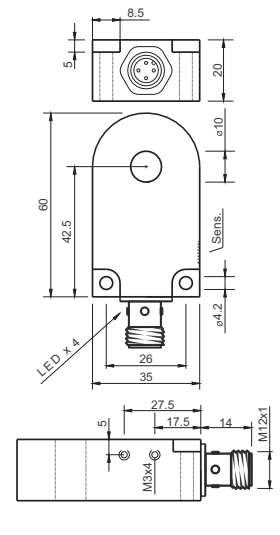
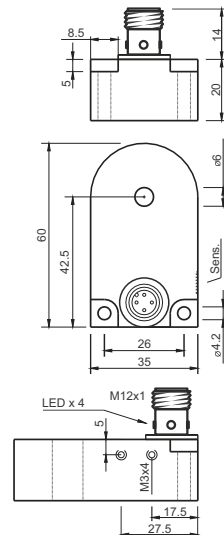
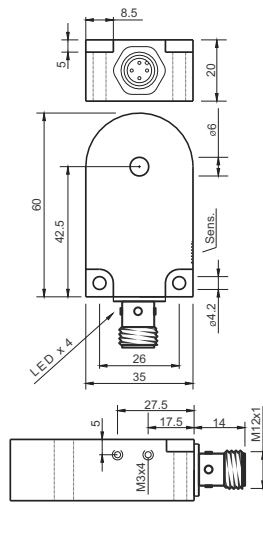
NEW



Ø 10 mm - static  
Ø 10 mm - statisch

adjustable

NEW



Diameter	Durchmesser	Ø 6 mm		Ø 6 mm		Ø 10 mm	
Sensitivity	Empfindlichkeit	adjustable	einstellbar	adjustable	einstellbar	adjustable	einstellbar
Operating Voltage	Betriebsspannung	10...30 Vdc		10...30 Vdc		10...30 Vdc	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Adjustment	Einstellung	2 V @ 200 mA		2 V @ 200 mA		2 V @ 200 mA	
Operating Temperature	Betriebstemperatur	-25... +70°C		-25... +70°C		-25... +70°C	
Protection Class	Schutzklasse	IP67		IP67		IP67	
Ring Material	Ring Material	Nylon, PA66		Nylon, PA66		Nylon, PA66	
Housing Material	Gehäuse	PBT		PBT		PBT	
Connected	Anschluss	Conn. M12	Stecker M12	Conn. M12	Stecker M12	Conn. M12	Stecker M12
Output Indicator	Schaltanzeige	built-in integriert		built-in integriert		built-in integriert	

**Part Number | Artikelnummer**

PNP, NO		CR06S-PO-A12	CR06S-PO-RA12	CR10S-PO-A12
PNP, NC		CR06S-PC-A12	CR06S-PC-RA12	CR10S-PC-A12
NPN, NO		CR06S-NO-A12	CR06S-NO-RA12	CR10S-NO-A12
NPN, NC		CR06S-NC-A12	CR06S-NC-RA12	CR10S-NC-A12



Ø 10 mm - static  
Ø 10 mm - statisch

**adjustable**  
**NEW**



Ø 15 mm - static  
Ø 15 mm - statisch

**adjustable**  
**NEW**



Ø 15 mm - static  
Ø 15 mm - statisch

**adjustable**  
**NEW**



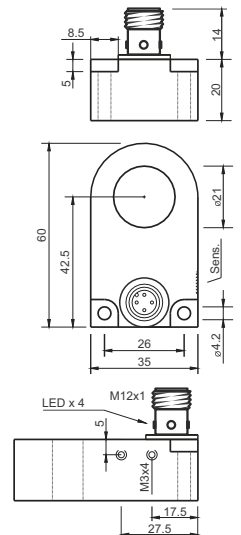
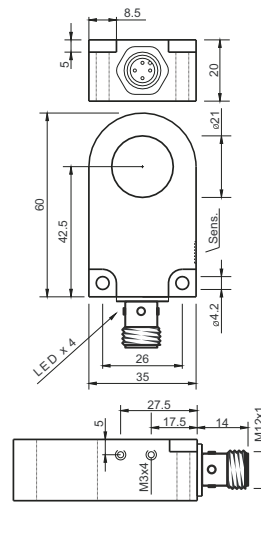
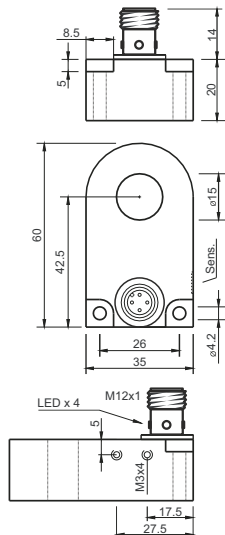
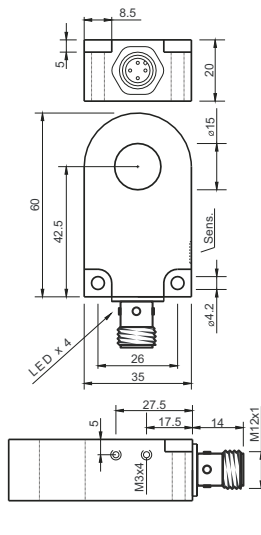
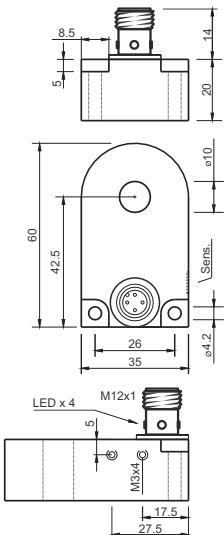
Ø 21 mm - static  
Ø 21 mm - statisch

**adjustable**  
**NEW**



Ø 21 mm - static  
Ø 21 mm - statisch

**adjustable**  
**NEW**



## Ø 10 mm

adjustable    einstellbar  
10...30 VDC  
200 mA  
2 V @ 200 mA  
-25... +70°C  
IP67  
Nylon, PA66  
PBT  
Conn. M12    Stecker M12  
built-in    integriert

## Ø 15 mm

adjustable    einstellbar  
10...30 VDC  
200 mA  
2 V @ 200 mA  
-25... +70°C  
IP67  
Nylon, PA66  
PBT  
Conn. M12    Stecker M12  
built-in    integriert

## Ø 15 mm

adjustable    einstellbar  
10...30 VDC  
200 mA  
2 V @ 200 mA  
-25... +70°C  
IP67  
Nylon, PA66  
PBT  
Conn. M12    Stecker M12  
built-in    integriert

## Ø 21 mm

adjustable    einstellbar  
10...30 VDC  
200 mA  
2 V @ 200 mA  
-25... +70°C  
IP67  
Nylon, PA66  
PBT  
Conn. M12    Stecker M12  
built-in    integriert

## Ø 21 mm

adjustable    einstellbar  
10...30 VDC  
200 mA  
2 V @ 200 mA  
-25... +70°C  
IP67  
Nylon, PA66  
PBT  
Conn. M12    Stecker M12  
built-in    integriert

CR10S-PO-RA12  
CR10S-PC-RA12  
CR10S-NO-RA12  
CR10S-NC-RA12

CR15S-PO-A12  
CR15S-PC-A12  
CR15S-NO-A12  
CR15S-NC-A12

CR15S-PO-RA12  
CR15S-PC-RA12  
CR15S-NO-RA12  
CR15S-NC-RA12

CR21S-PO-A12  
CR21S-PC-A12  
CR21S-NO-A12  
CR21S-NC-A12

CR21S-PO-RA12  
CR21S-PC-RA12  
CR21S-NO-RA12  
CR21S-NC-RA12



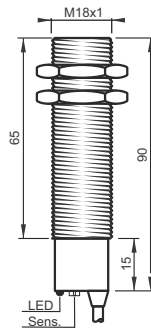
# CAPACITIVE

Shielded Bündig

**M18 - 8 mm**



Increased Erhöht

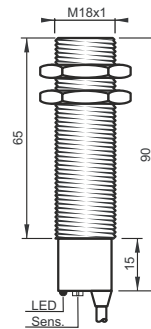


Shielded Bündig

**M18 - 8 mm**



Increased Erhöht

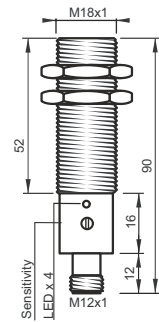


Shielded Bündig

**M18 - 8 mm**



Increased Erhöht



Housing	Bauform	M18x1		M18x1		M18x1	
Sensing Distance	Schaltabstand	8 mm		8 mm		8 mm	
Operating Voltage	Betriebsspannung	20... 250 VAC		20... 250 VAC		20... 250 VAC	
Current Load Capability	Ausgangsbelastbarkeit	400 mA		400 mA		400 mA	
Switching Frequency	Schaltfrequenz	25 Hz		25 Hz		25 Hz	
Operating Temperature	Betriebstemperatur	-25...+70 °C		-25...+70 °C		-25...+70 °C	
Protection Class	Schutzklasse	IP 67		IP 67		IP 67	
Adjustment	Einstellung	Multi-turn	Mehrgang	Multi-turn	Mehrgang	Multi-turn	Mehrgang
Housing	Gehäuse	Brass	Messing	PBT		Brass	Messing
Connection	Anschluss	PVC, Ultra-Flex		PVC, Ultra-Flex		Conn. M12	Stecker M12
Switching Indicator	Schaltanzeige	built-in	integriert	built-in	integriert	built-in	integriert
<b>Part Number   Artikelnummer</b>							
NO - 20... 250 VAC		CS18-S8AO90-A2P		CS18-S8AO90P-A2P		CS18-S8AO90-A12	
NC - 20... 250 VAC		CS18-S8AC90-A2P		CS18-S8AC90P-A2P		CS18-S8AC90-A12	



Shielded  
Bündig

**M18 - 8 mm**



Unshielded  
Nicht bündig

**M18 - 15 mm**



Unshielded  
Nicht bündig

**M18 - 15 mm**



Unshielded  
Nicht bündig

**M18 - 15 mm**

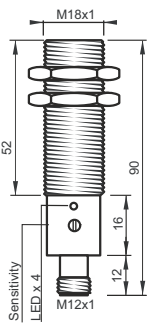


Unshielded  
Nicht bündig

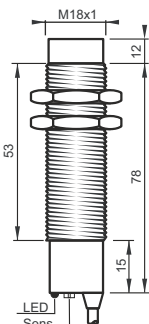
**M18 - 15 mm**



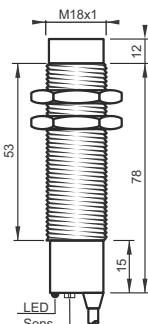
Increased  
Erhöht



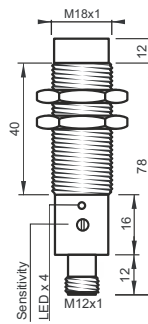
Increased  
Erhöht



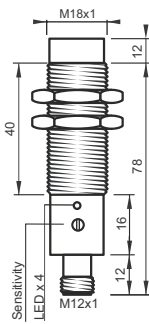
Increased  
Erhöht



Increased  
Erhöht



Increased  
Erhöht



**M18x1**

8 mm  
20... 250 VAC  
400 mA  
25 Hz  
-25...+70 °C

IP 67

Multi-turn Mehrgang  
PBT  
Conn. M12 Stecker M12  
built-in integriert

CS18-S8AO90P-A12  
CS18-S8AC90P-A12

**M18x1**

15 mm  
20... 250 VAC  
400 mA  
25 Hz  
-25...+70 °C

IP 67

Multi-turn Mehrgang  
Brass Messing  
PVC, Ultra-Flex  
built-in integriert

CS18-N15AO90-A2P  
CS18-N15AC90-A2P

**M18x1**

15 mm  
20... 250 VAC  
400 mA  
25 Hz  
-25...+70 °C

IP 67

Multi-turn Mehrgang  
PBT  
PVC, Ultra-Flex  
built-in integriert

CS18-N15AO90P-A2P  
CS18-N15AC90P-A2P

**M18x1**

15 mm  
20... 250 VAC  
400 mA  
25 Hz  
-25...+70 °C

IP 67

Multi-turn Mehrgang  
Brass Messing  
Conn. M12 Stecker M12  
built-in integriert

CS18-N15AO90-A12  
CS18-N15AC90-A12

**M18x1**

15 mm  
20... 250 VAC  
400 mA  
25 Hz  
-25...+70 °C

IP 67

Multi-turn Mehrgang  
PBT  
Conn. M12 Stecker M12  
built-in integriert

CS18-N15AO90P-A12  
CS18-N15AC90P-A12



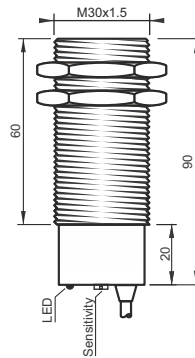
# CAPACITIVE

Shielded  
Bündig

M30 - 20 mm



Increased  
Erhöht

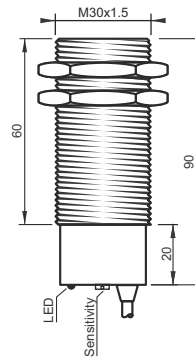


Shielded  
Bündig

M30 - 20 mm



Increased  
Erhöht

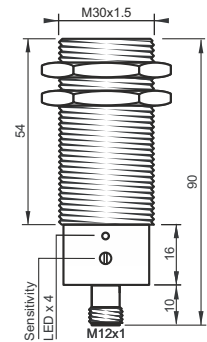


Shielded  
Bündig

M30 - 20 mm



Increased  
Erhöht



Housing	Bauform	M30x1.5		M30x1.5		M30x1.5	
Sensing Distance	Schaltabstand	20 mm		20 mm		20 mm	
Operating Voltage	Betriebsspannung	20... 250 VAC		20... 250 VAC		20... 250 VAC	
Current Load Capability	Ausgangsbelastbarkeit	400 mA		400 mA		400 mA	
Switching Frequency	Schaltfrequenz	25 Hz		25 Hz		25 Hz	
Operating Temperature	Betriebstemperatur	-25...+70 °C		-25...+70 °C		-25...+70 °C	
Protection Class	Schutzklasse	IP 67		IP 67		IP 67	
Adjustment	Einstellung	Multi-turn	Mehrgang	Multi-turn	Mehrgang	Multi-turn	Mehrgang
Housing	Gehäuse	Brass	Messing	PBT		Brass	Messing
Connection	Anschluss	PVC, Ultra-Flex		PVC, Ultra-Flex		Conn. M12	Stecker M12
Switching Indicator	Schaltanzeige	built-in	integriert	built-in	integriert	built-in	integriert
<b>Part Number   Artikelnummer</b>							
NO - 20... 250 VAC		CS30-S20AO90-A2P		CS30-S20AO90P-A2P		CS30-S20AO90-A12	
NC - 20... 250 VAC		CS30-S20AC90-A2P		CS30-S20AC90P-A2P		CS30-S20AC90-A12	





Shielded  
Bündig

**M30 - 20 mm**



Unshielded  
Nicht bündig

**M30 - 30 mm**



Unshielded  
Nicht bündig

**M30 - 30 mm**



Unshielded  
Nicht bündig

**M30 - 30 mm**

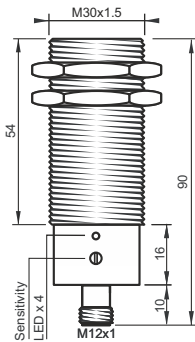


Unshielded  
Nicht bündig

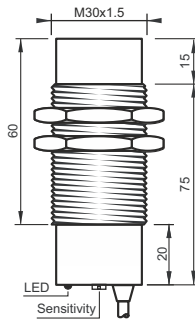
**M30 - 30 mm**



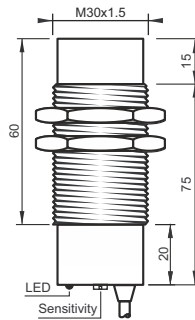
Increased  
Erhöht



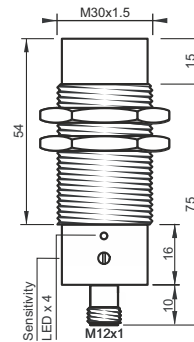
Increased  
Erhöht



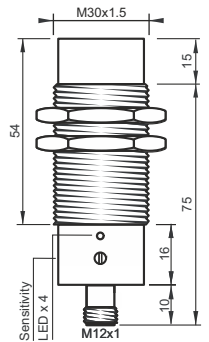
Increased  
Erhöht



Increased  
Erhöht



Increased  
Erhöht



**M30x1.5**

20 mm  
20... 250 VAC  
400 mA  
25 Hz  
-25...+70 °C  
IP 67

Multi-turn Mehrgang  
PBT  
Conn. M12 Stecker M12  
built-in integriert

CS30-S20AO90P-A12  
CS30-S20AC90P-A12

**M30x1.5**

30 mm  
20... 250 VAC  
400 mA  
25 Hz  
-25...+70 °C  
IP 67

Multi-turn Mehrgang  
Brass Messing  
PVC, Ultra-Flex  
built-in integriert

CS30-N30AO90-A2P  
CS30-N30AC90-A2P

**M30x1.5**

30 mm  
20... 250 VAC  
400 mA  
25 Hz  
-25...+70 °C  
IP 67

Multi-turn Mehrgang  
PBT  
PVC, Ultra-Flex  
built-in integriert

CS30-N30AO90P-A2P  
CS30-N30AC90P-A2P

**M30x1.5**

30 mm  
20... 250 VAC  
400 mA  
25 Hz  
-25...+70 °C  
IP 67

Multi-turn Mehrgang  
Brass Messing  
Conn. M12 Stecker M12  
built-in integriert

CS30-N30AO90-A12  
CS30-N30AC90-A12

**M30x1.5**

30 mm  
20... 250 VAC  
400 mA  
25 Hz  
-25...+70 °C  
IP 67

Multi-turn Mehrgang  
PBT  
Conn. M12 Stecker M12  
built-in integriert

CS30-N30AO90P-A12  
CS30-N30AC90P-A12



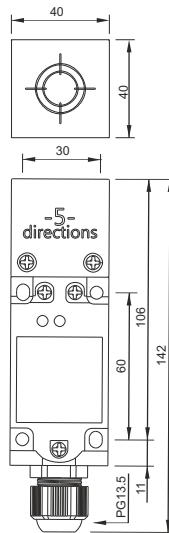
# CAPACITIVE

Shielded  
Bündig

40x40 - 20 mm



Increased  
Erhöht

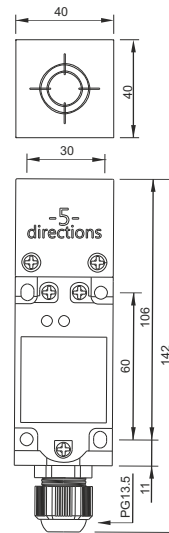


Unshielded  
Nicht bündig

40x40 - 30 mm



Increased  
Erhöht



Housing	Bauform	40x40 mm		40x40 mm	
Sensing Distance	Schaltabstand	20 mm		30 mm	
Operating Voltage	Betriebsspannung	20... 250 VAC		20... 250 VAC	
Current Load Capability	Ausgangsbelastbarkeit	400 mA		400 mA	
Switching Frequency	Schaltfrequenz	25 Hz		25 Hz	
Operating Temperature	Betriebstemperatur	-25...+70 °C		-25...+70 °C	
Protection Class	Schutzklasse	IP 67		IP 67	
Adjustment	Einstellung	Multi-turn	Mehrgang	Multi-turn	Mehrgang
Housing	Gehäuse	PBT		PBT	
Connection	Anschluss	Terminal	Klemme	Terminal	Klemme
Switching Indicator	Schaltanzeige	built-in	integriert	built-in	integriert
<b>Part Number   Artikelnummer</b>					
NO - 20... 250 VAC		CS40-S20AOL-PG13		CS40 N30AOL-PG13	
NC - 20... 250 VAC		CS40-S20ACL-PG13		CS40 N30ACL-PG13	





## TOP BENEFITS

Embedded Amplifier for temperatures up to 150 °C / 302 °F permanent

Extreme long term reliability

Temperature resistant PTFE sensing face

PTFE and silicone cable available

Potentiometer for sensitivity adjustment built-in

Sizes from M8 to M30 available

## HAUPTVORTEILE

Integrierter Verstärker für Temperaturen bis zu 150 °C / 302 °F permanent

Extreme Langzeitbeständigkeit

Temperaturbeständige PTFE Frontkappe

PTFE und Silikonkabel erhältlich

Potentiometer zur Einstellung der Empfindlichkeit eingebaut

Bauformen von M8 bis M30 erhältlich

# HIGH TEMPERATURE

## Capacitive Sensors



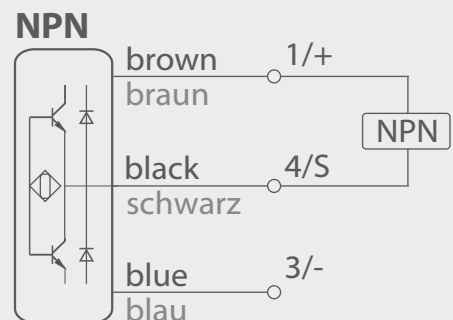
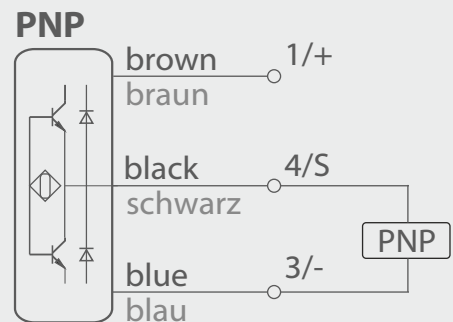
### Caution

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

### Achtung

alle Geräte in diesem Abschnitt dürfen nicht verwendet werden, wenn die Sicherheit von Personen von deren einwandfreier Funktion abhängig ist!

## CONNECTION



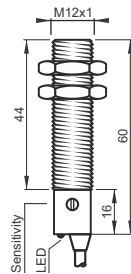
# CAPACITIVE

Shielded  
Bündig

**M12 - 4 mm**



120 °C

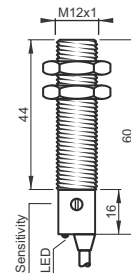


Shielded  
Bündig

**M12 - 4 mm**



120 °C

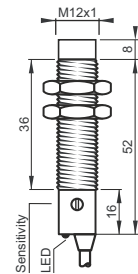


Unshielded  
Nicht bündig

**M12 - 8 mm**



120 °C



Housing	Bauform	M12x1		M12x1		M12x1	
Sensing Distance	Schaltabstand	4 mm		4 mm		8 mm	
Operating Voltage	Betriebsspannung	10...30 VDC		10...30 VDC		10...30 VDC	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	100 Hz		100 Hz		100 Hz	
Operating Temperature	Betriebstemperatur	-25...+120 °C		-25...+120 °C		-25...+120 °C	
Protection Class	Schutzklasse	IP 67		IP 67		IP 67	
Adjustment	Einstellung	Multi-turn	Mehrgang	Multi-turn	Mehrgang	Multi-turn	Mehrgang
Housing	Gehäuse	Brass	Messing	Brass	Messing	Brass	Messing
Connection	Anschluss	Silicone	Silikon	PTFE		Silicone	Silikon
Switching Indicator	Schaltanzeige	built-in	integriert	built-in	integriert	built-in	integriert
<b>Part Number   Artikelnummer</b>							
PNP, NO - 10... 30 VDC		CHT12-S4APO60-A2S		CHT12-S4APO60-A2T		CHT12-N8APO60-A2S	
PNP, NC - 10... 30 VDC		CHT12-S4APC60-A2S		CHT12-S4APC60-A2T		CHT12-N8APC60-A2S	
NPN, NO - 10... 30 VDC		CHT12-S4ANO60-A2S		CHT12-S4ANO60-A2T		CHT12-N8ANO60-A2S	
NPN, NC - 10... 30 VDC		CHT12-S4ANC60-A2S		CHT12-S4ANC60-A2T		CHT12-N8ANC60-A2S	



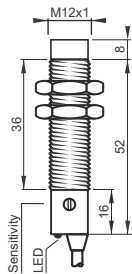
Only for mechanical set-up – LED may die if operated at temperatures beyond 120°C (250°F); LED functionality is not covered by warranty  
Nur zur mechanischen Justage – bei Temperaturen über 120°C kann die LED ausfallen; LED Funktionalität nicht durch Garantie gedeckt.

Unshielded  
Nicht bündig

**M12 - 8 mm**



120 °C

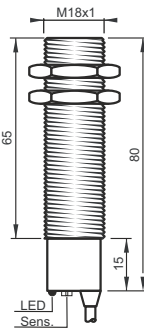


Shielded  
Bündig

**M18 - 8 mm**



120 °C

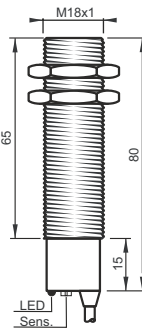


Shielded  
Bündig

**M18 - 8 mm**



120 °C

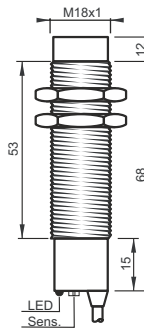


Unshielded  
Nicht bündig

**M18 - 15 mm**



120 °C

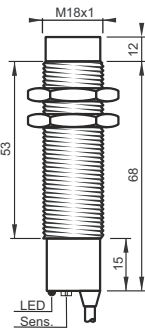


Unshielded  
Nicht bündig

**M18 - 15 mm**



120 °C



**M12x1**

8 mm  
10...30 VDC  
200 mA  
100 Hz  
-25...+120 °C  
IP 67  
Multi-turn  
Brass  
PTFE  
built-in

Mehrgang  
Messing  
integriert

**M18x1**

8 mm  
10...30 VDC  
200 mA  
100 Hz  
-25...+120 °C  
IP 67  
Multi-turn  
Brass  
Silicone  
built-in

Mehrgang  
Messing  
Silikon  
integriert

**M18x1**

8 mm  
10...30 VDC  
200 mA  
100 Hz  
-25...+120 °C  
IP 67  
Multi-turn  
Brass  
PTFE  
built-in

Mehrgang  
Messing  
integriert

**M18x1**

15 mm  
10...30 VDC  
200 mA  
100 Hz  
-25...+120 °C  
IP 67  
Multi-turn  
Brass  
Silicone  
built-in

Mehrgang  
Messing  
Silikon  
integriert

**M18x1**

15 mm  
10...30 VDC  
200 mA  
100 Hz  
-25...+120 °C  
IP 67  
Multi-turn  
Brass  
PTFE  
built-in

Mehrgang  
Messing  
integriert

CHT12-N8APO60-A2T  
CHT12-N8APC60-A2T  
CHT12-N8ANO60-A2T  
CHT12-N8ANC60-A2T

CHT18-S8APO80-A2S  
CHT18-S8APC80-A2S  
CHT18-S8ANO80-A2S  
CHT18-S8ANC80-A2S

CHT18-S8APO80-A2T  
CHT18-S8APC80-A2T  
CHT18-S8ANO80-A2T  
CHT18-S8ANC80-A2T

CHT18-N15APO80-A2S  
CHT18-N15APC80-A2S  
CHT18-N15ANO80-A2S  
CHT18-N15ANC80-A2S

CHT18-N15APO80-A2T  
CHT18-N15APC80-A2T  
CHT18-N15ANO80-A2T  
CHT18-N15ANC80-A2T



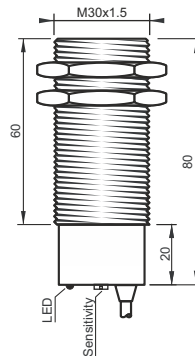
# CAPACITIVE

Shielded  
Bündig

M30 - 20 mm



120 °C

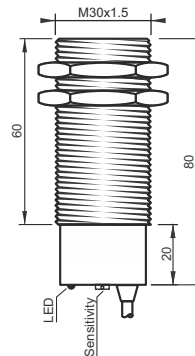


Shielded  
Bündig

M30 - 20 mm



120 °C

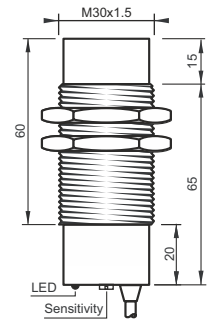


Unshielded  
Nicht bündig

M30 - 30 mm



120 °C



Housing	Bauform	M30x1.5		M30x1.5		M30x1.5	
Sensing Distance	Schaltabstand	20 mm		20 mm		30 mm	
Operating Voltage	Betriebsspannung	10...30 Vdc		10...30 Vdc		10...30 Vdc	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	100 Hz		100 Hz		100 Hz	
Operating Temperature	Betriebstemperatur	-25...+120 °C		-25...+120 °C		-25...+120 °C	
Protection Class	Schutzklasse	IP 67		IP 67		IP 67	
Adjustment	Einstellung	Multi-turn	Mehrgang	Multi-turn	Mehrgang	Multi-turn	Mehrgang
Housing	Gehäuse	Brass	Messing	Brass	Messing	Brass	Messing
Connection	Anschluss	Silicone	Silikon	PTFE		Silicone	Silikon
Switching Indicator	Schaltanzeige	built-in	integriert	built-in	integriert	built-in	integriert
<b>Part Number   Artikelnummer</b>							
PNP, NO - 10... 30 VDC		CHT30-S20APO80-A2S		CHT30-S20APO80-A2T		CHT30-N30APO80-A2S	
PNP, NC - 10... 30 VDC		CHT30-S20APC80-A2S		CHT30-S20APC80-A2T		CHT30-N30APC80-A2S	
NPN, NO - 10... 30 VDC		CHT30-S20ANO80-A2S		CHT30-S20ANO80-A2T		CHT30-N30ANO80-A2S	
NPN, NC - 10... 30 VDC		CHT30-S20ANC80-A2S		CHT30-S20ANC80-A2T		CHT30-N30ANC80-A2S	



Only for mechanical set-up – LED may die if operated at temperatures beyond 120°C (250°F); LED functionality is not covered by warranty  
Nur zur mechanischen Justage – bei Temperaturen über 120°C kann die LED ausfallen; LED Funktionalität nicht durch Garantie gedeckt.

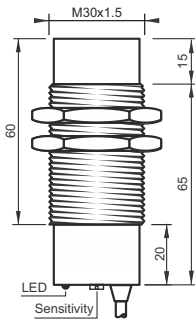


Unshielded  
Nicht bündig

**M30 - 30 mm**



120 °C

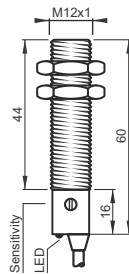


Shielded  
Bündig

**M12 - 4 mm**



150 °C

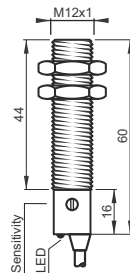


Shielded  
Bündig

**M12 - 4 mm**



150 °C

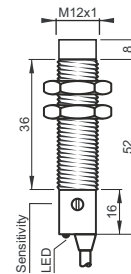


Unshielded  
Nicht bündig

**M12 - 8 mm**



150 °C

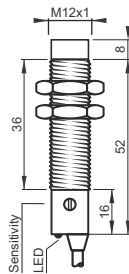


Unshielded  
Nicht bündig

**M12 - 8 mm**



150 °C



M30x1.5		M12x1		M12x1		M12x1		M12x1	
30 mm		4 mm		4 mm		8 mm		8 mm	
10...30 VDC		10...30 VDC		10...30 VDC		10...30 VDC		10...30 VDC	
200 mA		200 mA		200 mA		200 mA		200 mA	
100 Hz		100 Hz		100 Hz		100 Hz		100 Hz	
-25...+120 °C		-25...+150 °C		-25...+150 °C		-25...+150 °C		-25...+150 °C	
IP 67		IP 67		IP 67		IP 67		IP 67	
Multi-turn	Mehrgang	Multi-turn	Mehrgang	Multi-turn	Mehrgang	Multi-turn	Mehrgang	Multi-turn	Mehrgang
Brass	Messing	Brass	Messing	Brass	Messing	Brass	Messing	Brass	Messing
PTFE		Silicone	Silikon	PTFE		Silicone	Silikon	PTFE	
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
CHT30-N30APO80-A2T		CHT12-S4BPO60-A2S		CHT12-S4BPO60-A2T		CHT12-N8BPO60-A2S		CHT12-N8BPO60-A2T	
CHT30-N30APC80-A2T		CHT12-S4BPC60-A2S		CHT12-S4BPC60-A2T		CHT12-N8BPC60-A2S		CHT12-N8BPC60-A2T	
CHT30-N30ANO80-A2T		CHT12-S4BNO60-A2S		CHT12-S4BNO60-A2T		CHT12-N8BNO60-A2S		CHT12-N8BNO60-A2T	
CHT30-N30ANC80-A2T		CHT12-S4BNC60-A2S		CHT12-S4BNC60-A2T		CHT12-N8BNC60-A2S		CHT12-N8BNC60-A2T	



# CAPACITIVE

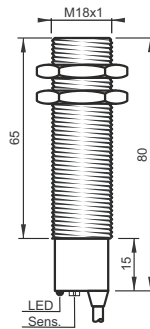
Shielded  
Bündig

**M18 - 8 mm**

NEW



150 °C



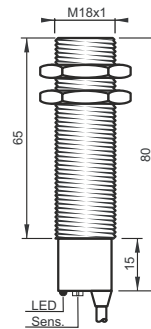
Shielded  
Bündig

**M18 - 8 mm**

NEW



150 °C



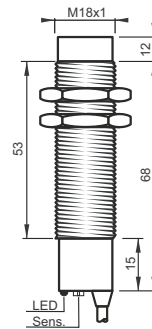
Unshielded  
Nicht bündig

**M18 - 15 mm**

NEW



150 °C



Housing	Bauform	M18x1		M18x1		M18x1	
Sensing Distance	Schaltabstand	8 mm		8 mm		15 mm	
Operating Voltage	Betriebsspannung	10...30 Vdc		10...30 Vdc		10...30 Vdc	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	100 Hz		100 Hz		100 Hz	
Operating Temperature	Betriebstemperatur	-25...+150 °C		-25...+150 °C		-25...+150 °C	
Protection Class	Schutzklasse	IP 67		IP 67		IP 67	
Adjustment	Einstellung	Multi-turn	Mehrgang	Multi-turn	Mehrgang	Multi-turn	Mehrgang
Housing	Gehäuse	Brass	Messing	Brass	Messing	Brass	Messing
Connection	Anschluss	Silicone	Silikon	PTFE		Silicone	Silikon
Switching Indicator	Schaltanzeige	built-in	integriert	built-in	integriert	built-in	integriert
<b>Part Number   Artikelnummer</b>							
PNP, NO - 10... 30 VDC		CHT18-S8BPO80-A2S		CHT18-S8BPO80-A2T		CHT18-N15BPO80-A2S	
PNP, NC - 10... 30 VDC		CHT18-S8BPC80-A2S		CHT18-S8BPC80-A2T		CHT18-N15BPC80-A2S	
NPN, NO - 10... 30 VDC		CHT18-S8BNO80-A2S		CHT18-S8BNO80-A2T		CHT18-N15BNO80-A2S	
NPN, NC - 10... 30 VDC		CHT18-S8BNC80-A2S		CHT18-S8BNC80-A2T		CHT18-N15BNC80-A2S	



Only for mechanical set-up – LED may die if operated at temperatures beyond 120°C (250°F); LED functionality is not covered by warranty  
Nur zur mechanischen Justage – bei Temperaturen über 120°C kann die LED ausfallen; LED Funktionalität nicht durch Garantie gedeckt.

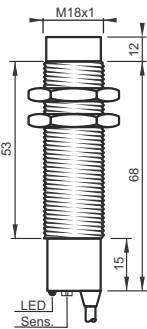
Unshielded  
Nicht bündig

**M18 - 15 mm**

NEW



150 °C



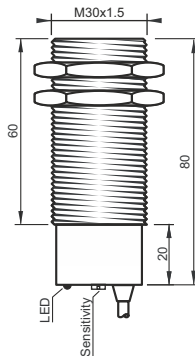
Shielded  
Bündig

**M30 - 20 mm**

NEW



150 °C



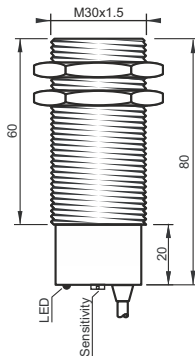
Shielded  
Bündig

**M30 - 20 mm**

NEW



150 °C



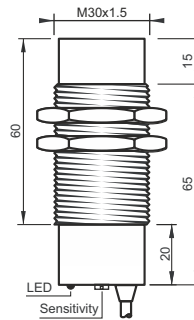
Unshielded  
Nicht bündig

**M30 - 30 mm**

NEW



150 °C



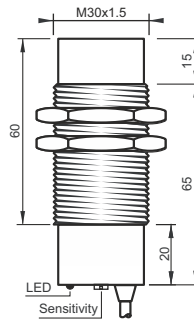
Unshielded  
Nicht bündig

**M30 - 30 mm**

NEW



150 °C



M18x1		M30x1.5		M30x1.5		M30x1.5		M30x1.5	
15 mm		20 mm		20 mm		30 mm		30 mm	
10...30 VDC		10...30 VDC		10...30 VDC		10...30 VDC		10...30 VDC	
200 mA		200 mA		200 mA		200 mA		200 mA	
100 Hz		100 Hz		100 Hz		100 Hz		100 Hz	
-25...+150 °C		-25...+150 °C		-25...+150 °C		-25...+150 °C		-25...+150 °C	
IP 67		IP 67		IP 67		IP 67		IP 67	
Multi-turn	Mehrgang	Multi-turn	Mehrgang	Multi-turn	Mehrgang	Multi-turn	Mehrgang	Multi-turn	Mehrgang
Brass	Messing	Brass	Messing	Brass	Messing	Brass	Messing	Brass	Messing
PTFE		Silicone	Silikon	PTFE		Silicone	Silikon	PTFE	
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
CHT18-N15BPO80-A2T		CHT30-S20BPO80-A2S		CHT30-S20BPO80-A2T		CHT30-N30BPO80-A2S		CHT30-N30BPO80-A2T	
CHT18-N15BPC80-A2T		CHT30-S20BPC80-A2S		CHT30-S20BPC80-A2T		CHT30-N30BPC80-A2S		CHT30-N30BPC80-A2T	
CHT18-N15BNO80-A2T		CHT30-S20BNO80-A2S		CHT30-S20BNO80-A2T		CHT30-N30BNO80-A2S		CHT30-N30BNO80-A2T	
CHT18-N15BNC80-A2T		CHT30-S20BNC80-A2S		CHT30-S20BNC80-A2T		CHT30-N30BNC80-A2S		CHT30-N30BNC80-A2T	



# SENSOR CATALOG

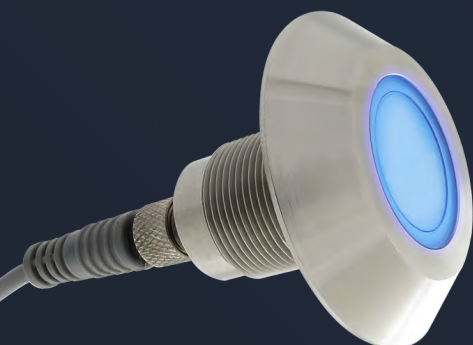
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INDUKTIV

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