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



sargent —co. kft.

„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 then 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.

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.

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.

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.

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 m². Kunden profitieren von unserer synergetischen Organisation.
Produziert wird von XECRO in Deutschland und in enger Zusammenarbeit mit strategisch ausgewählten Produktionsstätten innerhalb der EU.

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..



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Inductive Proximity Switches
Induktive Näherungsschalter

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Inductive proximity switches 10…30 VDC Ø3m… 40x40, max. Sn = 50 mm	**Induktive Näherungsschalter 10…30 VDC** Ø3m… 40x40, max. Sn = 50 mm	23-92
Inductive proximity switches with metal-face Ø3m… M18, max. Sn = 8 mm	**Induktive Näherungsschalter in Vollmetallhülse** Ø3m… M18, max. Sn = 8 mm	43-46, 49-51, 61-64, 72-74
Inductive proximity switches, Reduction Factor 1 M8 … M18, max. Sn = 8 mm	**Induktive Näherungsschalter, Reduktionsfaktor 1** M8 … M18, max. Sn = 8 mm	138-141
Inductive proximity switches, Weld Field Immune M8 … M18, max. Sn = 8 mm	**Induktive Näherungsschalter, schweißfest** M8 … M18, max. Sn = 8 mm	138-141
Inductive proximity switches 10…55 VDC, 2-wire M8 … M30, max. Sn = 25 mm	**Induktive Näherungsschalter 10…55 VDC, 2-adrig** M8 … M30, max. Sn = 25 mm	96-103
Inductive proximity switches 20…250 VAC, 2-wire M12 … 40x40, max. Sn = 30 mm	**Induktive Näherungsschalter 20…250 VAC, 2-adrig** M12 … 40x40, max. Sn = 30 mm	104-110
Inductive proximity switches acc. to NAMUR M8 … M30, max. Sn = 15 mm	**Induktive Näherungsschalter entspr. NAMUR** M8 … M30, max. Sn = 15 mm	112-115
Inductive proximity switches with analog output M8 … M30, max. Sn = 40 mm, 0-10V / 4-20 mA	**Induktive Näherungsschalter mit Analogausgang** M8 … M30, max. Sn = 40 mm, 0-10V / 4-20 mA	150-153
Inductive proximity switches, pressure resistant M5 … M18, max. Sn = 5 mm, max. 1000 bar permanent	**Induktive Näherungsschalter, druckfest** M5 … M18, max. Sn = 5 mm, max. 1000 bar permanent	117-121
Inductive proximity switches, temperature resistant M8 … M30, max. Sn = 15 mm, max. 300 °F permanent	**Induktive Näherungsschalter, Hochtemperatur beständig** M8 … M30, max. Sn = 15 mm, max. 180 °C permanent	124-135
Inductive proximity switches, FE / nFE metal selective M12 … M30, max. Sn = 10 mm, dual output	**Induktive Näherungsschalter, FE / nFE Metalle selektiv** M12 … M10, max. Sn = 8 mm, Dual-Ausgang	144-147
Inductive ring sensors Ring diameters ranging from Ø6mm to Ø21 mm	**Induktive Ring-Sensoren** Ring-Durchmesser von Ø6 mm bis Ø21 mm	92-93

Capacitive Proximity Switches
Kapazitive Näherungsschalter

		Page / Seite
Capacitive proximity switches 10…30 VDC Ø6.5… 40x40, max. Sn = 30 mm	**Kapazitive Näherungsschalter 10…30 VDC** Ø6.5… 40x40, max. Sn = 30 mm	156-171
Capacitive proximity switches 20…250 VAC M18 … 40x40, max. Sn = 30 mm	**Kapazitive Näherungsschalter 20…250 VAC** M18 … 40x40, max. Sn = 30 mm	174-178
Capacitive proximity switches, temperature resistant M8 … M30, max. Sn = 30 mm, max. 150 °C permanent	**Kapazitive Näherungsschalter, hochtemperatur beständig** M8 … M30, max. Sn = 30 mm, max. 150 °C permanent	182-187
Capacitive ring sensors Ring diameter ranging from Ø6 mm to Ø21 mm	**Kapazitive Ring-Sensoren** Ring-Durchmesser von Ø6 mm bis Ø21 mm	172-173

Dimension Abmessungen	Sensing Distance Schaltabstand	Mounting Montage	Connection | Anschluss M8	 M12	 Cable | Kabel	Page Seite
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
	6.0 mm	◆	●	●	●	39, 40
M8x1	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
	4.0 mm	◇	●	●	●	48, 49, 50, 51
	6.0 mm	◇	●	●	●	54, 55
8x8 mm	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
	10.0 mm	◇		●	●	69, 70, 71
M18x1.5	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
	16.0 mm	◇		●	●	77, 78
	20.0 mm	◇		●	●	78, 79
M30x1.5	10.0 mm	◆		●	●	79, 80
	15.0 mm	◇		●	●	80, 81
	16.0 mm	◆		●	●	81, 82
	22.0 mm	◈		●	●	82, 83
	25.0 mm	◇		●	●	83, 84
	40.0 mm	◇		●	●	84, 85
	50.0 mm	◇		●	●	85, 86
16x28 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

Dimension Abmessungen	Resolution Auflösung	Connection | Anschluss M12-axial | M12-axial	 M12-radial | M12-radial	 Cable | Kabel	Page Seite
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 M8	 M12	 Cable | Kabel	Page Seite
M8x1	1.0 mm	◆	●		●	96
	2.0 mm	◇	●		●	97
M12x1	2.0 mm	◆		●	●	97
	4.0 mm	◆		●	●	98, 99
	4.0 mm	◇		●	●	98
	8.0 mm	◇		●	●	99
M18x1.5	5.0 mm	◆		●	●	99
	8.0 mm	◆		●	●	99, 100
	8.0 mm	◇		●	●	100, 101
	16.0 mm	◇		●	●	101
M30x1.5	10.0 mm	◆		●	●	101
	15.0 mm	◇		●	●	101, 102
	16.0 mm	◆		●	●	102
	25.0 mm	◇		●	●	103
40x40 mm	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 M8	 M12	 Cable | Kabel	Page Seite
M12x1	2.0 mm	◆		●	●	103
	4.0 mm	◆		●	●	103, 105
	4.0 mm	◇		●	●	105
	8.0 mm	◇		●	●	105
M18x1.5	5.0 mm	◆		●	●	106
	8.0 mm	◆		●	●	106, 107
	8.0 mm	◇		●	●	107
	16.0 mm	◇		●	●	107
M30x1.5	10.0 mm	◆		●	●	108
	15.0 mm	◇		●	●	108, 109
	16.0 mm	◆		●	●	109
	25.0 mm	◇		●	●	109
40x40 mm	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 M8	 M12	 Cable | Kabel	Page Seite
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 M12	 Cable | Kabel	Page Seite
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 120 °C 248 °F	 150 °C 302 °F	 180 °C 356 °F	Page Seite
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
	8.0 mm	◇		●		129, 130
M18x1.5	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
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Inductive Proximity Switches | Induktive Näherungsschalter
▪ Weld-Field-Immune | Schweißfest

Dimension Abmessungen	Sensing Distance Schaltabstand	Mounting Montage	Factor-1 Faktor-1	Sensing Face | Sensorfläche PBT	 Stainless | Edelstahl	Page Seite
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 M8	 M12	 Cable | Kabel	Page Seite
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 Voltage Spannung	 Current Strom	Page Seite
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 VDC
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.

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.



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.

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.



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 - 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 !

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 !



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 - 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 (Sn) 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 (Sn), 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.

Dimension Abmessungen	Sensing Distance Schaltabstand	Mounting Montage	Connection | Anschluss M8	M12	Cable | Kabel	Housing | Gehäuse Brass | Messing	PBT	PTFE	Page Seite
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

Capacitive Ring Sensors | Kapazitive Ring-Sensoren

- NPN / NPN 10…30 VDC | NPN / NPN 10…30 VDC

Dimension Abmessungen	Connection | Anschluss M12-axial | M12-axial	 M12-radial | M12-radial	 Cable | Kabel	Page Seite
Ø6 mm	●		Optional	172
		●	Optional	172
Ø10 mm	●		Optional	172
		●	Optional	173
Ø15 mm	●		Optional	173
		●	Optional	173
Ø21 mm	●		Optional	173
		●	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 M12	 Cable | Kabel	Housing | Gehäuse Brass | Messing	 PBT	 PTFE	Page Seite
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
	30.0 mm	◇	●	●			●	Available | Verfügbar
40x40 mm	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 120 °C 248 °F	 150 °C 302 °F	Page Seite
M8x1	1.0 mm	◆	●		Soon | Kurzfristig
	2.0 mm	◇	●		Soon | Kurzfristig
M12x1	4.0 mm	◆	●		182
	4.0 mm	◆		●	185
	8.0 mm	◇	●		182, 183
	8.0 mm	◇		●	185
M18x1.5	8.0 mm	◆	●		183
	8.0 mm	◆		●	186
	15.0 mm	◇	●		183
	15.0 mm	◇		●	186, 187
M30x1.5	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 VDC
N NPN, 30 VDC
A 250 VAC, 2-wire + ground (gn/ye) / 250 VAC, 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.

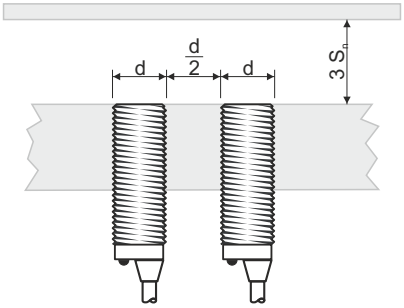
KAPAZITIV - HOCHTEMPERATUR

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.

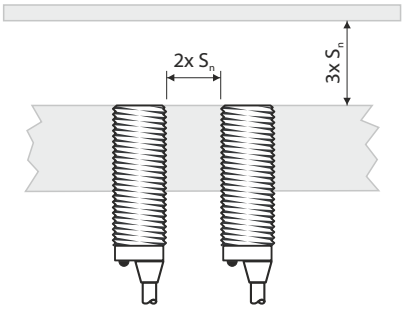
Basic considerations - please contact XECRO or your local distributor to get application related assistance
Grundsätzliche Auslegung - bitte kontaktieren sie XECRO oder ihren lokalen Distibutor für applikationsspezifische Unterstützung

MOUNTING CLEARANCE | MONTAGEABSTÄNDE

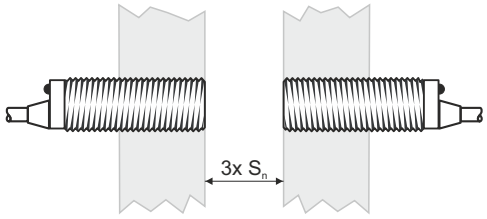
STANDARD



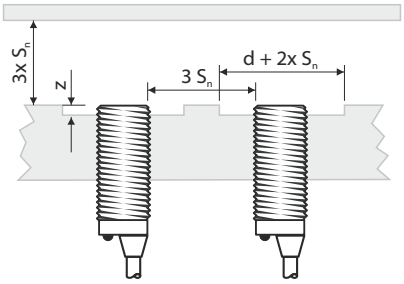
INCREASED



STANDARD | INCREASED

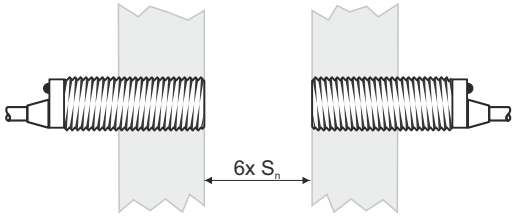


EXTENDED | PERFORMANCE

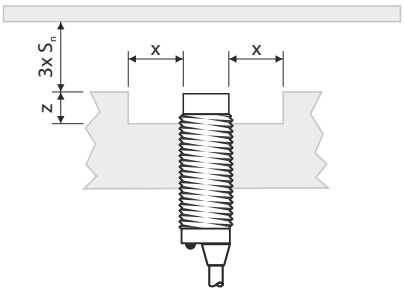


Diameter | Durchmesser	z (mm)
Ø6.5 / M8	1
M12	2
M18	4
M30	6.5

EXTENDED / PERFORMANCE



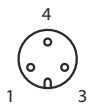
ALL SERIES / UNSHIELDED



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

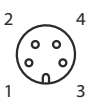
PIN ASSIGNMENT | PINZUORDNUNG

M8 / 3



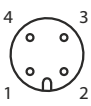
Color | Farbe		Pin
brown	braun	1
blue	blau	3
black	schwarz	4

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

XECRO SENSORS

INDUCTIVE CAPACITIVE OPTOELECTRONICS TOUCH 'N INDICATORS

MINIATURE

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

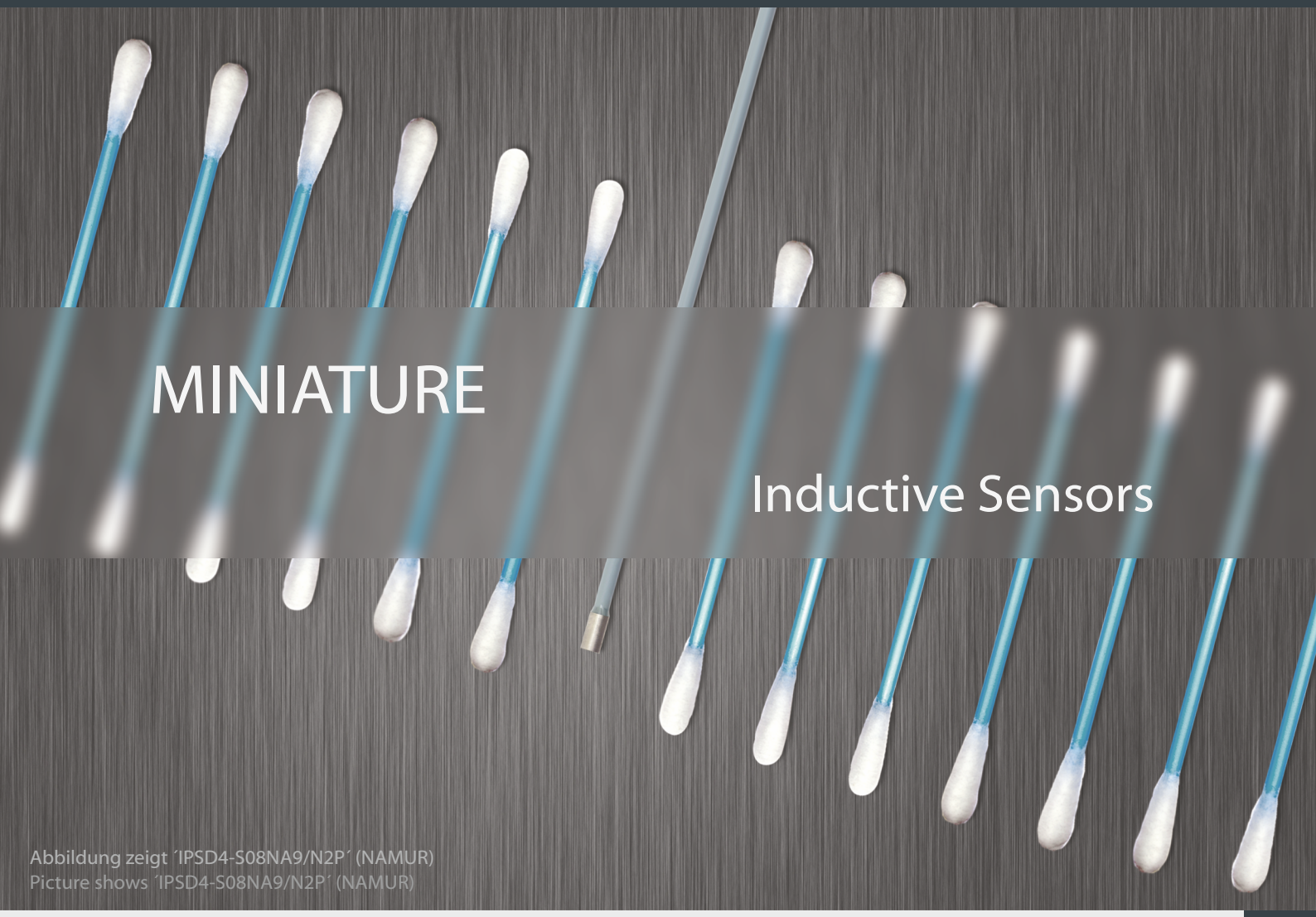
Vollständig integrierter Verstärker

Sehr kurze Bauformen ebenfalls in der Performance Serie

Edelstahlgehäuse, Epoxidverguss und Glasfaserverstärkte Substrate / Leiterplatten für maximale Langzeitstabilität

Temperaturbereich von -25 … +75 °C

Complete data sheets can be found on http://xecro.com
Vollständige Datenblätter stehen auf http://xecro.com zur Verfügung



MINIATURE

Inductive Sensors

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

Caution

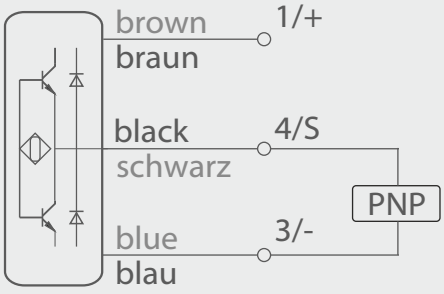
all devices from this section may not be used if the safety of persons rely on their faultless function!

Achtung

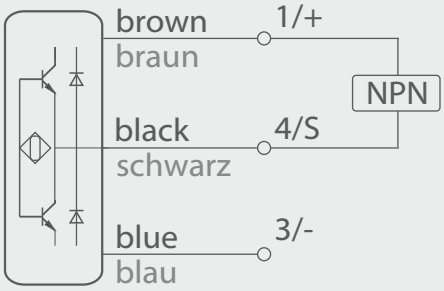
alle Geräte in diesem Abschnitt dürfen nicht verwendet werden, wenn die Sicherheit von Personen von deren einwandfreier Funktion abhängig ist!

CONNECTION

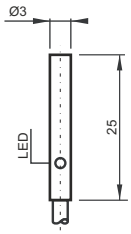
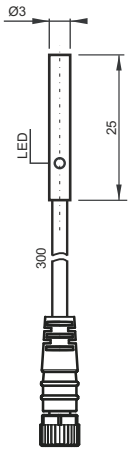
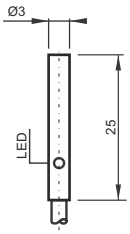
PNP



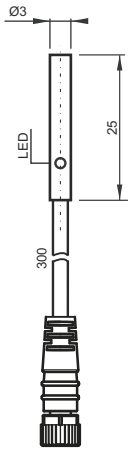
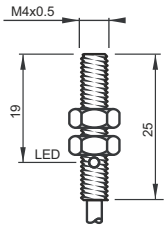
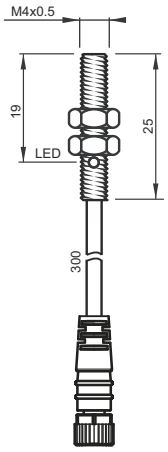
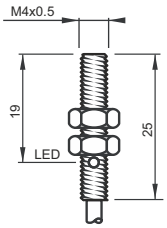
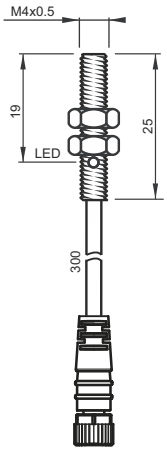
NPN



INDUCTIVE

	Shielded Bündig **Ø3 - 0.6 mm**	Shielded Bündig **Ø3 - 0.6 mm**	Shielded Bündig **Ø3 - 1 mm**
			
	Standard	Standard	Increased Erhöht
			

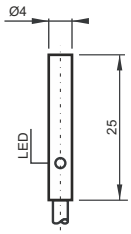
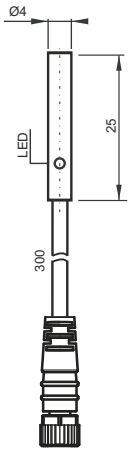
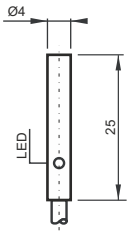
Housing	**Bauform**	**Ø3 mm**	**Ø3 mm**	**Ø3 mm**
Sensing Distance	Schaltabstand	0.6 mm	0.6 mm	1.0 mm
Operating Voltage	Betriebsspannung	10…30 Vdc	10…30 Vdc	10…30 Vdc
Current Load Capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA
Switching Frequency	Schaltfrequenz	2000 Hz	2000 Hz	2000 Hz
Operating 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
Part Number | Artikelnummer				
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	Shielded Bündig	Shielded Bündig	Shielded Bündig	Shielded Bündig
Ø3 - 1 mm	**M4 - 0.6 mm**	**M4 - 0.6 mm**	**M4 - 1 mm**	**M4 - 1 mm**
				
Increased Erhöht	Standard	Standard	Increased Erhöht	Increased Erhöht
				

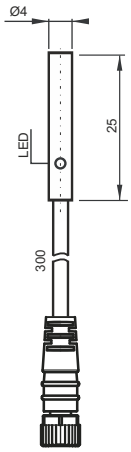
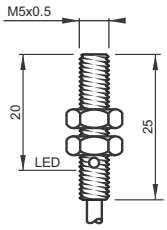
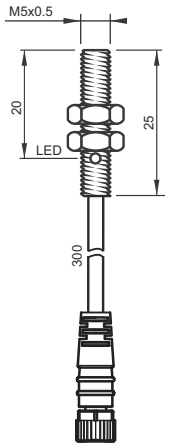
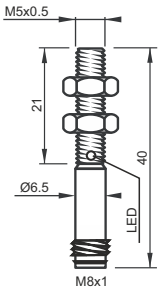
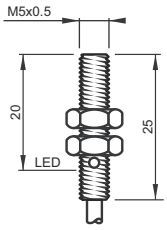
Ø3 mm	**M4x0.5**	**M4x0.5**	**M4x0.5**	**M4x0.5**
1.0 mm	0.6 mm	0.6 mm	1.0 mm	1.0 mm
10…30 VDC	10…30 VDC	10…30 VDC	10…30 VDC	10…30 VDC
200 mA	200 mA	200 mA	200 mA	200 mA
2000 Hz	2000 Hz	2000 Hz	2000 Hz	2000 Hz
-25…75 °C	-25…75 °C	-25…75 °C	-25…75 °C	-25…75 °C
IP67	IP67	IP67	IP67	IP67
PBT	PBT	PBT	PBT	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	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

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

INDUCTIVE

Shielded Bündig **Ø4 - 0.8 mm**	Shielded Bündig **Ø4 - 0.8 mm**	Shielded Bündig **Ø4 - 1.5 mm**
		
Standard	Standard	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
Part Number | Artikelnummer				
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	Shielded Bündig	Shielded Bündig	Shielded Bündig	Shielded Bündig
Ø4 - 1.5 mm	**M5 - 0.8 mm**	**M5 - 0.8 mm**	**M5 - 0.8 mm**	**M5 - 1.5 mm**
				
Increased Erhöht	Standard	Standard	Standard	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	IPS5-S08PO25-A2P	IPS5-S08PO25-3P8	IPS5-S08PO40-A8	IPS5-S1.5PO25-A2P
IPSD4-S1.5PC25-3P8	IPS5-S08PC25-A2P	IPS5-S08PC25-3P8	IPS5-S08PC40-A8	IPS5-S1.5PC25-A2P
IPSD4-S1.5NO25-3P8	IPS5-S08NO25-A2P	IPS5-S08NO25-3P8	IPS5-S08NO40-A8	IPS5-S1.5NO25-A2P
IPSD4-S1.5NC25-3P8	IPS5-S08NC25-A2P	IPS5-S08NC25-3P8	IPS5-S08NC40-A8	IPS5-S1.5NC25-A2P

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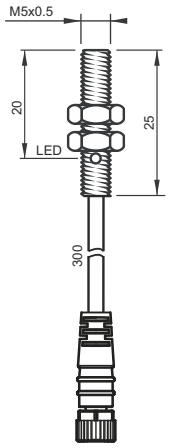
XECRO behält sich das Recht vor, geringfügige Anpassungen jederzeit durchzuführen.

INDUCTIVE

Shielded
Bündig
M5 - 1.5 mm



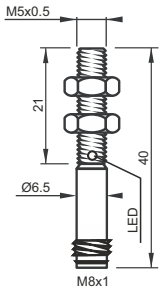
Increased
Erhöht



Shielded
Bündig
M5 - 1.5 mm



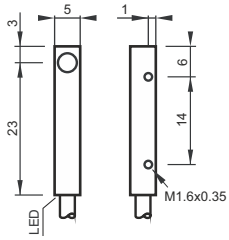
Increased
Erhöht



Shielded
Bündig
5x5 - 0.8 mm



Standard



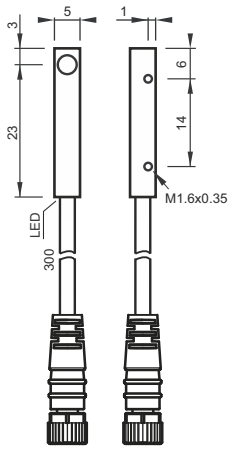
Housing	**Bauform**	**M5x0.5**	**M5x0.5**	**5 x 5**
Sensing Distance	Schaltabstand	1.5 mm	1.5 mm	0.8 mm
Operating Voltage	Betriebsspannung	10…30 VDC	10…30 VDC	10…30 VDC
Current Load Capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA
Switching Frequency	Schaltfrequenz	2000 Hz	2000 Hz	2000 Hz
Operating 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
Part Number | **Artikelnummer**				
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

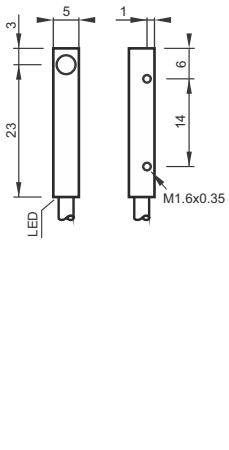


Shielded
Bündig

5x5 - 1.5 mm



Increased
Erhöht

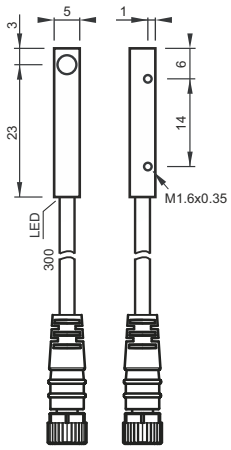


Shielded
Bündig

5x5 - 1.5 mm



Increased
Erhöht



5 x 5		5 x 5		5 x 5	
0.8 mm		1.5 mm		1.5 mm	
10…30 VDC		10…30 VDC		10…30 VDC	
200 mA		200 mA		200 mA	
2000 Hz		2000 Hz		2000 Hz	
-25…75 °C		-25…75 °C		-25…75 °C	
IP67		IP67		IP67	
PBT		PBT		PBT	
Brass	Messing	Brass	Messing	Brass	Messing
300 mm, M8		PVC, Ultra-Flex		300 mm, M8	
built-in	Integriert	built-in	Integriert	built-in	
IPS55-S08PO26-3P8		IPS55-S1.5PO26-A2P		IPS55-S1.5PO26-3P8	
IPS55-S08PC26-3P8		IPS55-S1.5PC26-A2P		IPS55-S1.5PC26-3P8	
IPS55-S08NO26-3P8		IPS55-S1.5NO26-A2P		IPS55-S1.5NO26-3P8	
IPS55-S08NC26-3P8		IPS55-S1.5NC26-A2P		IPS55-S1.5NC26-3P8	

XECRO reserves the right to make minor changes without prior notification.
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XECRO SENSORS

INDUCTIVE CAPACITIVE OPTOELECTRONICS TOUCH 'N INDICATORS

PERFORMANCE

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

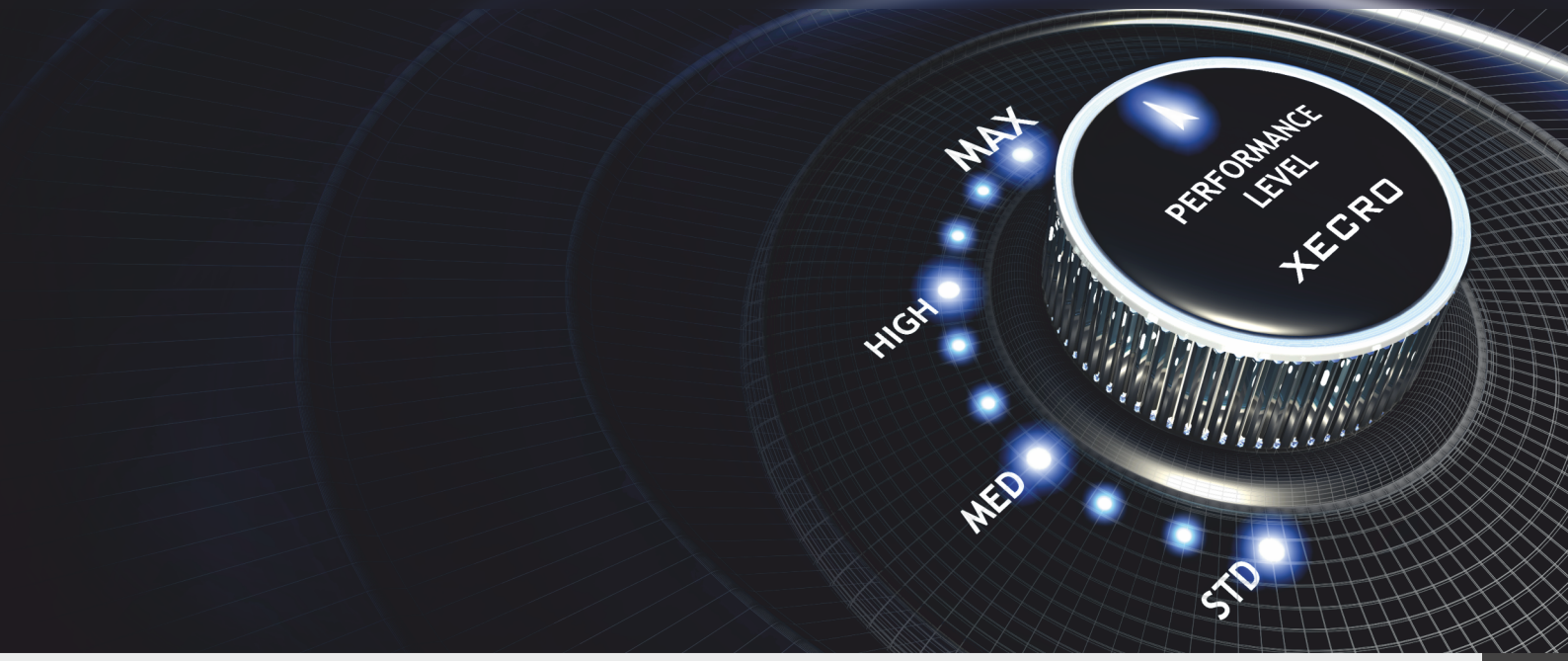
Höchste Schaltabstände ihrer Klasse, bspw.
M8, quasi-bündig, 4 mm
M12, quasi-bündig, 8 mm
M18, quasi-bündig, 15 mm
M30, nicht bündig, 50 mm

Kurze Bauformen, bspw.
M8, quasi-bündig, 4 mm, 18 mm kurz
M12, quasi-bündig, 6 mm, 22 mm kurz

Complete data sheets can be found on http://xecro.com
Vollständige Datenblätter stehen auf http://xecro.com zur Verfügung

PERFORMANCE

Inductive Sensors



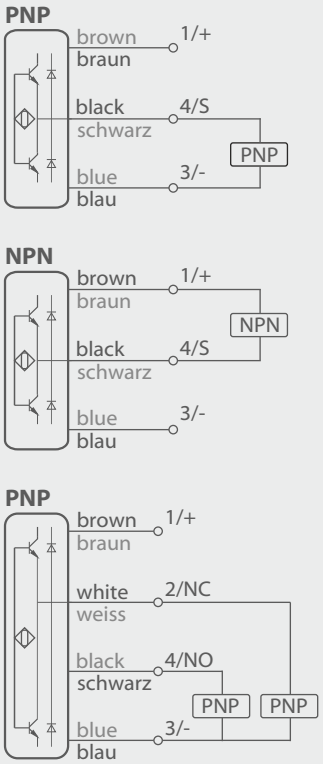
Caution

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

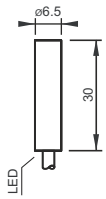


INDUCTIVE

Shielded
Bündig
Ø6.5 - 1 mm



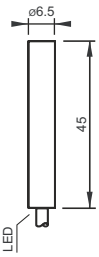
Standard



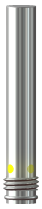
Shielded
Bündig
Ø6.5 - 1 mm



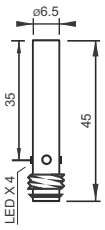
Standard



Shielded
Bündig
Ø6.5 - 1 mm



Standard

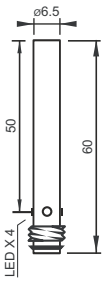


Housing	**Bauform**	**Ø6.5 mm**	**Ø6.5 mm**	**Ø6.5 mm**
Sensing Distance	Schaltabstand	1 mm	1 mm	1 mm
Operating Voltage	Betriebsspannung	10…30 VDC	10…30 VDC	10…30 VDC
Current Load Capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA
Switching Frequency	Schaltfrequenz	2000 Hz	2000 Hz	2000 Hz
Operating 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
Part Number | Artikelnummer				
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



Ø6.5 mm	
1 mm	
10…30 VDC	
200 mA	
2000 Hz	
-25…75 °C	
IP67	
PBT	
Stainless Steel	Edelstahl
Conn. M8	Stecker M8
built-in	Integriert

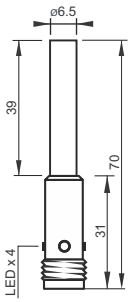
IPSD6-S1PO60-A8
IPSD6-S1PC60-A8

IPSD6-S1NO60-A8
IPSD6-S1NC60-A8

Shielded
Bündig
Ø6.5 - 1 mm



Standard



Ø6.5 mm	
1 mm	
10…30 VDC	
200 mA	
2000 Hz	
-25…75 °C	
IP67	
PBT	
Stainless Steel	Edelstahl
Conn. M12	Stecker M12
built-in	Integriert

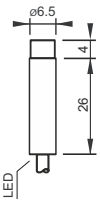
IPSD6-S1PO70-A12
IPSD6-S1PC70-A12

IPSD6-S1NO70-A12
IPSD6-S1NC70-A12

Unshielded
Nicht bündig
Ø6.5 - 2 mm



Standard



Ø6.5 mm	
2 mm	
10…30 VDC	
200 mA	
2000 Hz	
-25…75 °C	
IP67	
PBT	
Stainless Steel	Edelstahl
PVC, Ultra-Flex	
built-in	Integriert

IPSD6-N2PO30-A2P
IPSD6-N2PC30-A2P

IPSD6-N2NO30-A2P
IPSD6-N2NC30-A2P

Unshielded
Nicht bündig
Ø6.5 - 2 mm



Standard

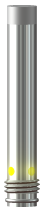


Ø6.5 mm	
2 mm	
10…30 VDC	
200 mA	
2000 Hz	
-25…75 °C	
IP67	
PBT	
Stainless Steel	Edelstahl
PVC, Ultra-Flex	
built-in	Integriert

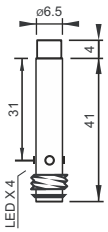
IPSD6-N2PO45-A2P
IPSD6-N2PC45-A2P

IPSD6-N2NO45-A2P
IPSD6-N2NC45-A2P

Unshielded
Nicht bündig
Ø6.5 - 2 mm



Standard



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-N2PO45-A8
IPSD6-N2PC45-A8

IPSD6-N2NO45-A8
IPSD6-N2NC45-A8

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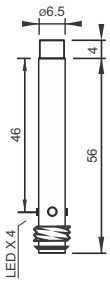
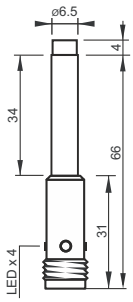
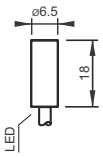
INDUCTIVE

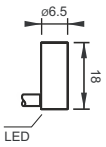
Unshielded Nicht bündig	Unshielded Nicht bündig	Shielded Bündig
Ø6.5 - 2 mm	**Ø6.5 - 2 mm**	**Ø6.5 - 2 mm**
		
Standard	Standard	Increased Erhöht
		

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
Part Number | Artikelnummer				
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



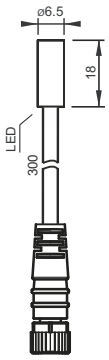
Ø6.5 mm
2 mm
10…30 VDC
200 mA
2000 Hz
-25…75 °C
IP67
PBT
Stainless Steel Edelstahl
PVC, Ultra-Flex
built-in Integriert

IPSD6-S2PO18-RA2P
IPSD6-S2PC18-RA2P
IPSD6-S2NO18-RA2P
IPSD6-S2NC18-RA2P

Shielded
Bündig
Ø6.5 - 2 mm



Increased
Erhöht



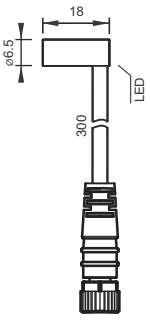
Ø6.5 mm
2 mm
10…30 VDC
200 mA
2000 Hz
-25…75 °C
IP67
PBT
Stainless Steel Edelstahl
300 mm, M8
built-in Integriert

IPSD6-S2PO18-3P8
IPSD6-S2PC18-3P8
IPSD6-S2NO18-3P8
IPSD6-S2NC18-3P8

Shielded
Bündig
Ø6.5 - 2 mm



Increased
Erhöht



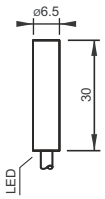
Ø6.5 mm
2 mm
10…30 VDC
200 mA
2000 Hz
-25…75 °C
IP67
PBT
Stainless Steel Edelstahl
300 mm, M8
built-in Integriert

IPSD6-S2PO18-R3P8
IPSD6-S2PC18-R3P8
IPSD6-S2NO18-R3P8
IPSD6-S2NC18-R3P8

Shielded
Bündig
Ø6.5 - 2 mm



Increased
Erhöht



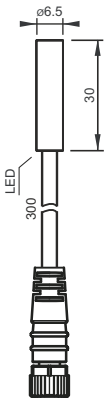
Ø6.5 mm
2 mm
10…30 VDC
200 mA
2000 Hz
-25…75 °C
IP67
PBT
Stainless Steel Edelstahl
PVC, Ultra-Flex
built-in Integriert

IPSD6-S2PO30-A2P
IPSD6-S2PC30-A2P
IPSD6-S2NO30-A2P
IPSD6-S2NC30-A2P

Shielded
Bündig
Ø6.5 - 2 mm



Increased
Erhöht



Ø6.5 mm
2 mm
10…30 VDC
200 mA
2000 Hz
-25…75 °C
IP67
PBT
Stainless Steel Edelstahl
300 mm, M8
built-in Integriert

IPSD6-S2PO30-3P8
IPSD6-S2PC30-3P8
IPSD6-S2NO30-3P8
IPSD6-S2NC30-3P8

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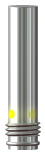
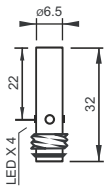
INDUCTIVE

Shielded
Bündig
Ø6.5 - 2 mm



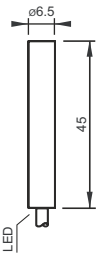
Increased
Erhöht



Shielded
Bündig
Ø6.5 - 2 mm



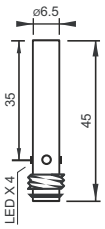
Increased
Erhöht



Shielded
Bündig
Ø6.5 - 2 mm



Increased
Erhöht

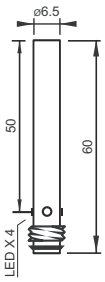


Housing	**Bauform**	**Ø6.5 mm**	**Ø6.5 mm**	**Ø6.5 mm**
Sensing Distance	Schaltabstand	2 mm	2 mm	2 mm
Operating Voltage	Betriebsspannung	10…30 Vdc	10…30 Vdc	10…30 Vdc
Current Load Capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA
Switching Frequency	Schaltfrequenz	2000 Hz	2000 Hz	2000 Hz
Operating 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
Part Number | **Artikelnummer**				
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



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

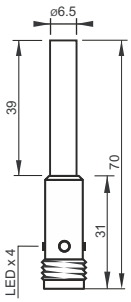
IPSD6-S2PO60-A8
IPSD6-S2PC60-A8

IPSD6-S2NO60-A8
IPSD6-S2NC60-A8

Shielded
Bündig
Ø6.5 - 2 mm



Increased
Erhöht



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

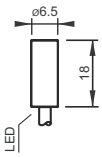
IPSD6-S2PO70-A12
IPSD6-S2PC70-A12

IPSD6-S2NO70-A12
IPSD6-S2NC70-A12

Shielded
Bündig
Ø6.5 - 3 mm



Extended
Erweitert



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

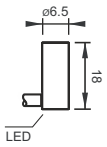
IPSD6-S3PO18-A2P
IPSD6-S3PC18-A2P

IPSD6-S3NO18-A2P
IPSD6-S3NC18-A2P

Shielded
Bündig
Ø6.5 - 3 mm



Extended
Erweitert



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

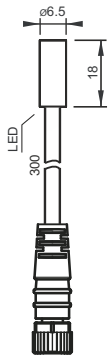
IPSD6-S3PO18-RA2P
IPSD6-S3PC18-RA2P

IPSD6-S3NO18-RA2P
IPSD6-S3NC18-RA2P

Shielded
Bündig
Ø6.5 - 3 mm



Extended
Erweitert



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

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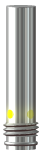
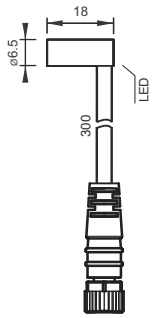
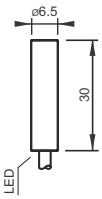
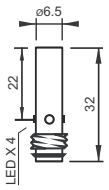
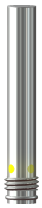
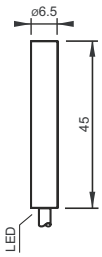
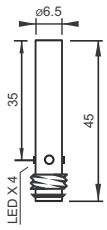
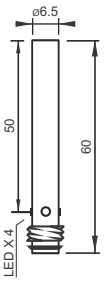
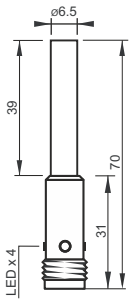
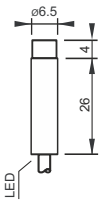
INDUCTIVE

Shielded Bündig **Ø6.5 - 3 mm**	Shielded Bündig **Ø6.5 - 3 mm**	Shielded Bündig **Ø6.5 - 3 mm**
		
Extended Erweitert	Extended Erweitert	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
Part Number | Artikelnummer				
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**	Shielded Bündig **Ø6.5 - 3 mm**	Shielded Bündig **Ø6.5 - 3 mm**	Shielded Bündig **Ø6.5 - 3 mm**	Unshielded Nicht bündig **Ø6.5 - 4 mm**
				
Extended Erweitert	Extended Erweitert	Extended Erweitert	Extended Erweitert	Increased Erhöht
				

Ø6.5 mm	**Ø6.5 mm**	**Ø6.5 mm**	**Ø6.5 mm**	**Ø6.5 mm**
3 mm	3 mm	3 mm	3 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	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	Conn. M8 Stecker M8	Conn. M12 Stecker M12	PVC, Ultra-Flex
built-in Integriert	built-in Integriert	built-in Integriert	built-in Integriert	built-in Integriert
IPSD6-S3PO45-A2P	IPSD6-S3PO45-A8	IPSD6-S3PO60-A8	IPSD6-S3PO70-A12	IPSD6-N4PO30-A2P
IPSD6-S3PC45-A2P	IPSD6-S3PC45-A8	IPSD6-S3PC60-A8	IPSD6-S3PC70-A12	IPSD6-N4PC30-A2P
IPSD6-S3NO45-A2P	IPSD6-S3NO45-A8	IPSD6-S3NO60-A8	IPSD6-S3NO70-A12	IPSD6-N4NO30-A2P
IPSD6-S3NC45-A2P	IPSD6-S3NC45-A8	IPSD6-S3NC60-A8	IPSD6-S3NC70-A12	IPSD6-N4NC30-A2P

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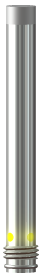
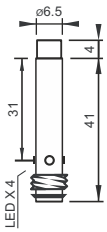
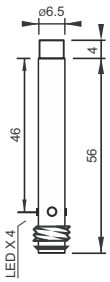
INDUCTIVE

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

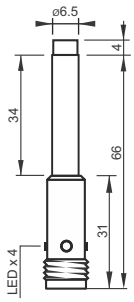
Housing	**Bauform**	**Ø6.5 mm**	**Ø6.5 mm**	**Ø6.5 mm**
Sensing Distance	Schaltabstand	4 mm	4 mm	4 mm
Operating Voltage	Betriebsspannung	10…30 Vdc	10…30 Vdc	10…30 Vdc
Current Load Capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA
Switching Frequency	Schaltfrequenz	1000 Hz	1000 Hz	1000 Hz
Operating 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
Part Number | Artikelnummer				
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



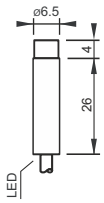
Ø6.5 mm	
4 mm	
10…30 VDC	
200 mA	
1000 Hz	
-25…75 °C	
IP67	
PBT	
Stainless Steel	Edelstahl
Conn. M12	Stecker M12
built-in	Integriert
IPSD6-N4PO70-A12	
IPSD6-N4PC70-A12	
IPSD6-N4NO70-A12	
IPSD6-N4NC70-A12	

Unshielded
Nicht bündig

Ø6.5 - 6 mm



Extended
Erweitert



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	

Unshielded
Nicht bündig

Ø6.5 - 6 mm



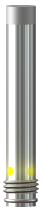
Extended



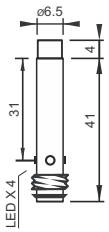
Ø6.5 mm	
6 mm	
10…30 VDC	
200 mA	
500 Hz	
-25…75 °C	
IP67	
PBT	
Stainless Steel	Edelstahl
PVC, Ultra-Flex	
built-in	Integriert
IPSD6-N6PO45-A2P	
IPSD6-N6PC45-A2P	
IPSD6-N6NO45-A2P	
IPSD6-N6NC45-A2P	

Unshielded
Nicht bündig

Ø6.5 - 6 mm



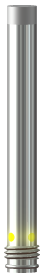
Extended
Erweitert



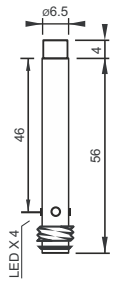
Ø6.5 mm	
6 mm	
10…30 VDC	
200 mA	
500 Hz	
-25…75 °C	
IP67	
PBT	
Stainless Steel	Edelstahl
Conn. M8	Stecker M8
built-in	Integriert
IPSD6-N6PO45-A8	
IPSD6-N6PC45-A8	
IPSD6-N6NO45-A8	
IPSD6-N6NC45-A8	

Unshielded
Nicht bündig

Ø6.5 - 6 mm



Extended
Erweitert



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	

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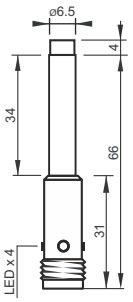
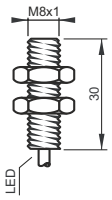
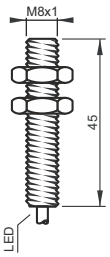
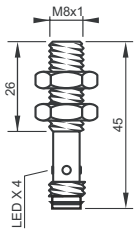
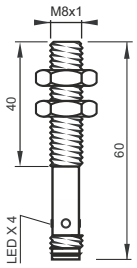
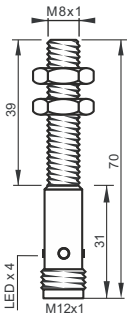
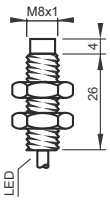
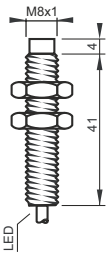
INDUCTIVE

Unshielded Nicht bündig	Shielded Bündig	Shielded Bündig
Ø6.5 - 6 mm	**M8 - 1 mm**	**M8 - 1 mm**
		
Extended Erweitert	Standard	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
Part Number | Artikelnummer				
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**	Shielded Bündig **M8 - 1 mm**	Shielded Bündig **M8 - 1 mm**	Unshielded Nicht bündig **M8 - 2 mm**	Unshielded Nicht bündig **M8 - 2 mm**
				
Standard	Standard	Standard	Standard	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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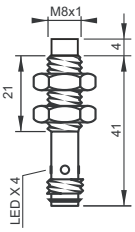
INDUCTIVE

Unshielded
Nicht bündig
M8 - 2 mm



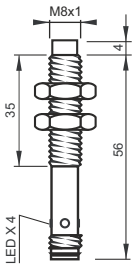
Standard



Unshielded
Nicht bündig
M8 - 2 mm



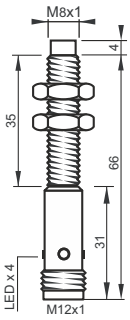
Standard



Unshielded
Nicht bündig
M8 - 2 mm



Standard



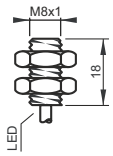
Housing	**Bauform**	**M8x1**	**M8x1**	**M8x1**
Sensing Distance	Schaltabstand	2 mm	2 mm	2 mm
Operating Voltage	Betriebsspannung	10…30 Vdc	10…30 Vdc	10…30 Vdc
Current Load Capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA
Switching Frequency	Schaltfrequenz	2000 Hz	2000 Hz	2000 Hz
Operating Temperature	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
Part Number | **Artikelnummer**				
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



M8x1
2 mm
10…30 VDC
200 mA
2000 Hz
-25…75 °C
IP67
PBT
Stainless Steel Edelstahl
PVC, Ultra-Flex
built-in Integriert

IPS8-S2PO18-A2P
IPS8-S2PC18-A2P

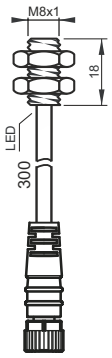
IPS8-S2NO18-A2P
IPS8-S2NC18-A2P

Shielded
Bündig

M8 - 2 mm



Increased
Erhöht



M8x1
2 mm
10…30 VDC
200 mA
2000 Hz
-25…75 °C
IP67
PBT
Stainless Steel Edelstahl
300 mm, M8
built-in Integriert

IPS8-S2PO18-3P8
IPS8-S2PC18-3P8

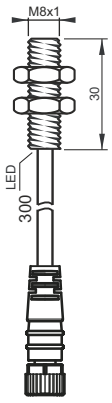
IPS8-S2NO18-3P8
IPS8-S2NC18-3P8

Shielded
Bündig

M8 - 2 mm



Increased
Erhöht



M8x1
2 mm
10…30 VDC
200 mA
2000 Hz
-25…75 °C
IP67
PBT
Stainless Steel Edelstahl
300 mm, M8
built-in Integriert

IPS8-S2PO30-3P8
IPS8-S2PC30-3P8
IPS8-S2PCO30-3P8

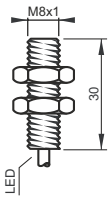
IPS8-S2NO30-3P8
IPS8-S2NC30-3P8
IPS8-S2NCO30-3P8

Shielded
Bündig

M8 - 2 mm



Increased
Erhöht



M8x1
2 mm
10…30 VDC
200 mA
2000 Hz
-25…75 °C
IP67
PBT
Stainless Steel Edelstahl
PVC, Ultra-Flex
built-in Integriert

IPS8-S2PO30-A2P
IPS8-S2PC30-A2P
IPS8-S2PCO30-A2P

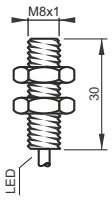
IPS8-S2NO30-A2P
IPS8-S2NC30-A2P
IPS8-S2NCO30-A2P

Shielded
Bündig

M8 - 2 mm



Metal Face
Vollmetall



M8x1
2 mm
10…30 VDC
200 mA
2000 Hz
-25…75 °C
IP69k, IP67
Stainless Steel Edelstahl
Stainless Steel Edelstahl
PVC, Ultra-Flex
built-in Integriert

IMF8-S2PO30-A2P
IMF8-S2PC30-A2P

IMF8-S2NO30-A2P
IMF8-S2NC30-A2P

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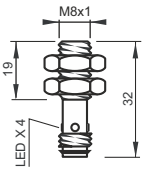
INDUCTIVE

Shielded
Bündig
M8 - 2 mm



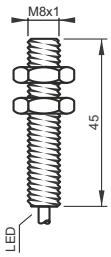
Increased
Erhöht



Shielded
Bündig
M8 - 2 mm



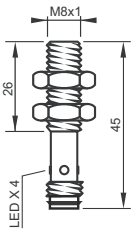
Increased
Erhöht



Shielded
Bündig
M8 - 2 mm



Increased
Erhöht

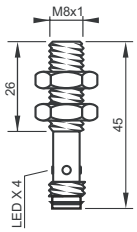


Housing	**Bauform**	**M8x1**	**M8x1**	**M8x1**
Sensing Distance	Schaltabstand	2 mm	2 mm	2 mm
Operating Voltage	Betriebsspannung	10…30 Vdc	10…30 Vdc	10…30 Vdc
Current Load Capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA
Switching Frequency	Schaltfrequenz	2000 Hz	2000 Hz	2000 Hz
Operating Temperature	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
Part Number | **Artikelnummer**				
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



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

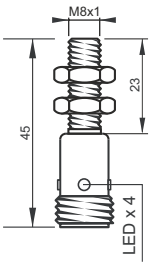
IMF8-S2NO45-A8
IMF8-S2NC45-A8

Shielded
Bündig
M8 - 2 mm

NEW



Increased
Erhöht



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

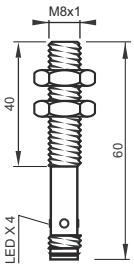
IPS8-S2PO45-A12
IPS8-S2PC45-A12

IPS8-S2NO45-A12
IPS8-S2NC45-A12

Shielded
Bündig
M8 - 2 mm



Increased
Erhöht



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

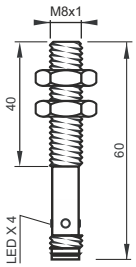
IPS8-S2PO60-A8
IPS8-S2PC60-A8
IPS8-S2PCO60-A8

IPS8-S2NO60-A8
IPS8-S2NC60-A8
IPS8-S2NCO60-A8

Shielded
Bündig
M8 - 2 mm



Metal Face
Vollmetall



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

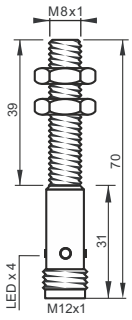
IMF8-S2PO60-A8
IMF8-S2PC60-A8

IMF8-S2NO60-A8
IMF8-S2NC60-A8

Shielded
Bündig
M8 - 2 mm



Increased
Erhöht



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-S2PO70-A12
IPS8-S2PC70-A12
IPS8-S2PCO70-A12

IPS8-S2NO70-A12
IPS8-S2NC70-A12
IPS8-S2NCO70-A12

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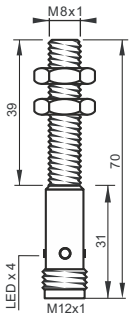
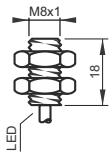
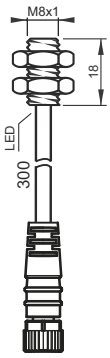
INDUCTIVE

Shielded Bündig	Semi-Shielded Quasi bündig	Semi-Shielded Quasi bündig
M8 - 2 mm	**M8 - 3 mm**	**M8 - 3 mm**
		
Metal Face Vollmetall	Extended Erweitert	Extended Erweitert
		

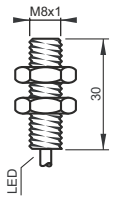
Housing	**Bauform**	**M8x1**	**M8x1**	**M8x1**
Sensing Distance	Schaltabstand	2 mm	3 mm	3 mm
Operating Voltage	Betriebsspannung	10…30 VDC	10…30 VDC	10…30 VDC
Current Load Capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA
Switching Frequency	Schaltfrequenz	2000 Hz	1000 Hz	1000 Hz
Operating Temperature	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
Part Number | Artikelnummer				
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



M8x1	
3 mm	
10…30 VDC	
200 mA	
1000 Hz	
-25…75 °C	
IP67	
PBT	
Stainless Steel	Edelstahl
PVC, Ultra-Flex	
built-in	Integriert

IPS8-S3PO30-A2P
IPS8-S3PC30-A2P

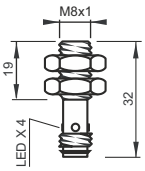
IPS8-S3NO30-A2P
IPS8-S3NC30-A2P

Semi-Shielded
Quasi bündig

M8 - 3 mm



Extended
Erweitert



M8x1	
3 mm	
10…30 VDC	
200 mA	
1000 Hz	
-25…75 °C	
IP67	
PBT	
Stainless Steel	Edelstahl
Conn. M8	Stecker M8
built-in	Integriert

IPS8-S3PO32-A8
IPS8-S3PC32-A8

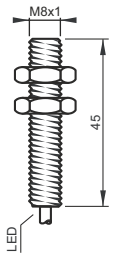
IPS8-S3NO32-A8
IPS8-S3NC32-A8

Semi-Shielded
Quasi bündig

M8 - 3 mm



Extended
Erweitert



M8x1	
3 mm	
10…30 VDC	
200 mA	
1000 Hz	
-25…75 °C	
IP67	
PBT	
Stainless Steel	Edelstahl
PVC, Ultra-Flex	
built-in	Integriert

IPS8-S3PO45-A2P
IPS8-S3PC45-A2P

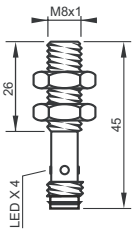
IPS8-S3NO45-A2P
IPS8-S3NC45-A2P

Semi-Shielded
Quasi bündig

M8 - 3 mm



Extended
Erweitert



M8x1	
3 mm	
10…30 VDC	
200 mA	
1000 Hz	
-25…75 °C	
IP67	
PBT	
Stainless Steel	Edelstahl
Conn. M8	Stecker M8
built-in	Integriert

IPS8-S3PO45-A8
IPS8-S3PC45-A8

IPS8-S3NO45-A8
IPS8-S3NC45-A8

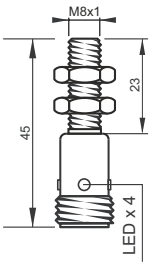
Semi-Shielded
Quasi bündig

M8 - 3 mm

NEW



Extended
Erweitert



M8x1	
3 mm	
10…30 VDC	
200 mA	
1000 Hz	
-25…75 °C	
IP67	
PBT	
Stainless Steel	Edelstahl
Conn. M12	Stecker M12
built-in	Integriert

IPS8-S3PO45-A12
IPS8-S3PC45-A12

IPS8-S3NO45-A12
IPS8-S3NC45-A12

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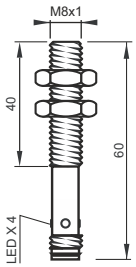
INDUCTIVE

Semi-Shielded
Quasi bündig

M8 - 3 mm



Extended
Erweitert

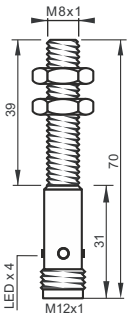


Semi-Shielded
Quasi bündig

M8 - 3 mm



Extended
Erweitert



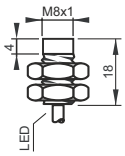
Unshielded
Nicht bündig

M8 - 4 mm

NEW



Increased
Erhöht



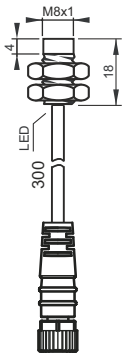
Housing	**Bauform**	**M8x1**	**M8x1**	**M8x1**
Sensing Distance	Schaltabstand	3 mm	3 mm	4 mm
Operating Voltage	Betriebsspannung	10…30 VDC	10…30 VDC	10…30 VDC
Current Load Capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA
Switching Frequency	Schaltfrequenz	1000 Hz	1000 Hz	1000 Hz
Operating Temperature	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
Part Number | Artikelnummer				
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



Increased
Erhöht



M8x1
4 mm
10…30 VDC
200 mA
1000 Hz
-25…75 °C
IP67
PBT
Stainless Steel Edelstahl
300 mm, M8
built-in Integriert

IPS8-N4PO18-3P8
IPS8-N4PC18-3P8

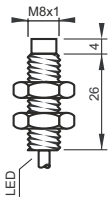
IPS8-N4NO18-3P8
IPS8-N4NC18-3P8

Unshielded
Nicht bündig

M8 - 4 mm



Increased
Erhöht



M8x1
4 mm
10…30 VDC
200 mA
1000 Hz
-25…75 °C
IP67
PBT
Stainless Steel Edelstahl
PVC, Ultra-Flex
built-in Integriert

IPS8-N4PO30-A2P
IPS8-N4PC30-A2P

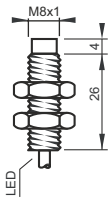
IPS8-N4NO30-A2P
IPS8-N4NC30-A2P

Unshielded
Nicht bündig

M8 - 3.5 mm



Metal Face
Vollmetall



M8x1
3.5 mm
10…30 VDC
200 mA
1000 Hz
-25…75 °C
IP69k, IP67
Stainless Steel Edelstahl
PVC, Ultra-Flex
built-in Integriert

IMF8-N4PO30-A2P
IMF8-N4PC30-A2P

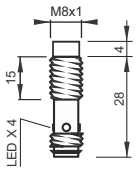
IMF8-N4NO30-A2P
IMF8-N4NC30-A2P

Unshielded
Nicht bündig

M8 - 4 mm



Increased
Erhöht



M8x1
4 mm
10…30 VDC
200 mA
2000 Hz
-25…75 °C
IP67
PBT
Stainless Steel Edelstahl
Conn. M8 Stecker M8
built-in Integriert

IPS8-N4PO32-A8
IPS8-N4PC32-A8

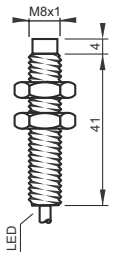
IPS8-N4NO32-A8
IPS8-N4NC32-A8

Unshielded
Nicht bündig

M8 - 4 mm



Increased
Erhöht



M8x1
4 mm
10…30 VDC
200 mA
1000 Hz
-25…75 °C
IP67
PBT
Stainless Steel Edelstahl
PVC, Ultra-Flex
built-in Integriert

IPS8-N4PO45-A2P
IPS8-N4PC45-A2P

IPS8-N4NO45-A2P
IPS8-N4NC45-A2P

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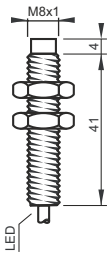
INDUCTIVE

Unshielded
Nicht bündig
M8 - 3.5 mm



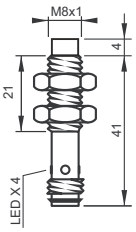
Metal Face
Vollmetall



Unshielded
Nicht bündig
M8 - 4 mm



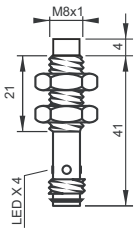
Increased
Erhöht



Unshielded
Nicht bündig
M8 - 3.5 mm



Metal Face
Vollmetall

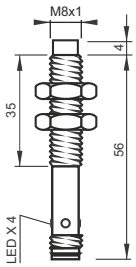


Housing	**Bauform**	**M8x1**	**M8x1**	**M8x1**
Sensing Distance	Schaltabstand	3.5 mm	4 mm	3.5 mm
Operating Voltage	Betriebsspannung	10…30 Vdc	10…30 Vdc	10…30 Vdc
Current Load Capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA
Switching Frequency	Schaltfrequenz	1000 Hz	1000 Hz	1000 Hz
Operating Temperature	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
Part Number | Artikelnummer				
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



M8x1	
4 mm	
10…30 VDC	
200 mA	
1000 Hz	
-25…75 °C	
IP67	
PBT	
Stainless Steel	Edelstahl
Conn. M8	Stecker M8
built-in	Integriert

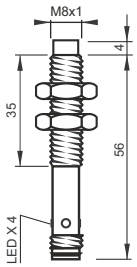
IPS8-N4PO60-A8
IPS8-N4PC60-A8

IPS8-N4NO60-A8
IPS8-N4NC60-A8

Unshielded
Nicht bündig
M8 - 3.5 mm



Metal Face
Vollmetall



M8x1	
3.5 mm	
10…30 VDC	
200 mA	
1000 Hz	
-25…75 °C	
IP69k, IP67	
Stainless Steel	Edelstahl
Stainless Steel	Edelstahl
Conn. M8	Stecker M8
built-in	Integriert

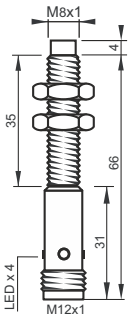
IMF8-N4PO60-A8
IMF8-N4PC60-A8

IMF8-N4NO60-A8
IMF8-N4NC60-A8

Unshielded
Nicht bündig
M8 - 4 mm



Increased
Erhöht



M8x1	
4 mm	
10…30 VDC	
200 mA	
1000 Hz	
-25…75 °C	
IP67	
PBT	
Stainless Steel	Edelstahl
Conn. M12	Stecker M12
built-in	Integriert

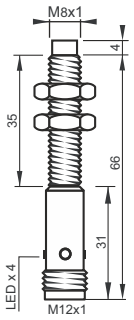
IPS8-N4PO70-A12
IPS8-N4PC70-A12

IPS8-N4NO70-A12
IPS8-N4NC70-A12

Unshielded
Nicht bündig
M8 - 3.5 mm



Metal Face
Vollmetall



M8x1	
3.5 mm	
10…30 VDC	
200 mA	
1000 Hz	
-25…75 °C	
IP69k, IP67	
Stainless Steel	Edelstahl
Stainless Steel	Edelstahl
Conn. M12	Stecker M12
built-in	Integriert

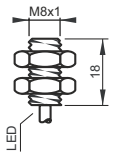
IMF8-N4PO70-A12
IMF8-N4PC70-A12

IMF8-N4NO70-A12
IMF8-N4NC70-A12

Semi-Shielded
Quasi bündig
M8 - 4 mm



Performance
Hochleistung



M8x1	
4 mm	
10…30 VDC	
200 mA	
500 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
PVC, Ultra-Flex	
built-in	Integriert

IPS8-S4PO18-A2P
IPS8-S4PC18-A2P

IPS8-S4NO18-A2P
IPS8-S4NC18-A2P

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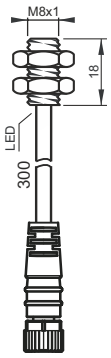
INDUCTIVE

Semi-Shielded
Quasi bündig
M8 - 4 mm



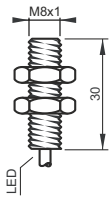
Performance
Hochleistung



Semi-Shielded
Quasi bündig
M8 - 4 mm



Performance
Hochleistung

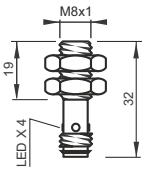


Semi-Shielded
Quasi bündig
M8 - 4 mm

NEW



Performance
Hochleistung



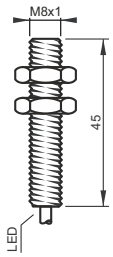
Housing	**Bauform**	**M8x1**		**M8x1**		**M8x1**	
Sensing Distance	Schaltabstand	4 mm		4 mm		4 mm	
Operating Voltage	Betriebsspannung	10…30 VDC		10…30 VDC		10…30 VDC	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	500 Hz		500 Hz		500 Hz	
Operating 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
Part Number | Artikelnummer							
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



M8x1	
4 mm	
10…30 VDC	
200 mA	
500 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
PVC, Ultra-Flex	
built-in	Integriert

IPS8-S4PO45-A2P
IPS8-S4PC45-A2P

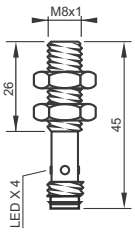
IPS8-S4NO45-A2P
IPS8-S4NC45-A2P

Semi-Shielded
Quasi bündig

M8 - 4 mm



Performance
Hochleistung



M8x1	
4 mm	
10…30 VDC	
200 mA	
500 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
Conn. M8	Stecker M8
built-in	Integriert

IPS8-S4PO45-A8
IPS8-S4PC45-A8

IPS8-S4NO45-A8
IPS8-S4NC45-A8

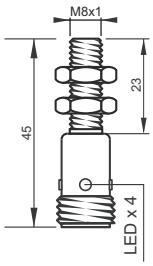
Semi-Shielded
Quasi bündig

M8 - 4 mm

NEW



Performance
Hochleistung



M8x1	
4 mm	
10…30 VDC	
200 mA	
500 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
Conn. M12	Stecker M12
built-in	Integriert

IPS8-S4PO45-A12
IPS8-S4PC45-A12

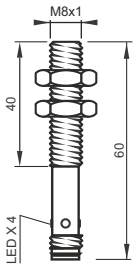
IPS8-S4NO45-A12
IPS8-S4NC45-A12

Semi-Shielded
Quasi bündig

M8 - 4 mm



Performance
Hochleistung



M8x1	
4 mm	
10…30 VDC	
200 mA	
500 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
Conn. M8	Stecker M8
built-in	Integriert

IPS8-S4PO60-A8
IPS8-S4PC60-A8

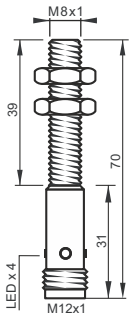
IPS8-S4NO60-A8
IPS8-S4NC60-A8

Semi-Shielded
Quasi bündig

M8 - 4 mm



Performance
Hochleistung



M8x1	
4 mm	
10…30 VDC	
200 mA	
500 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
Conn. M12	Stecker M12
built-in	Integriert

IPS8-S4PO70-A12
IPS8-S4PC70-A12

IPS8-S4NO70-A12
IPS8-S4NC70-A12

XECRO reserves the right to make minor changes without prior notification.
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INDUCTIVE

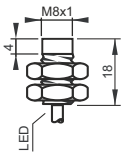
Unshielded
Nicht bündig

M8 - 6 mm

NEW



Extended
Erweitert

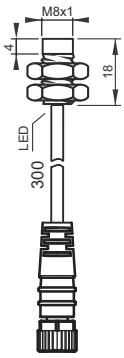


Unshielded
Nicht bündig

M8 - 6 mm



Extended
Erweitert

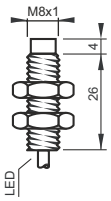


Unshielded
Nicht bündig

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
Part Number | Artikelnummer				
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				

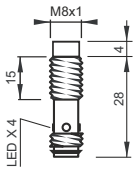
Unshielded
Nicht bündig

M8 - 6 mm

NEW



Extended
Erweitert



M8x1	
6 mm	
10…30 VDC	
200 mA	
500 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
Conn. M8	Stecker M8
built-in	Integriert

IPS8-N6PO32-A8
IPS8-N6PC32-A8

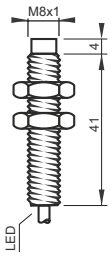
IPS8-N6NO32-A8
IPS8-N6NC32-A8

Unshielded
Nicht bündig

M8 - 6 mm



Extended
Erweitert



M8x1	
6 mm	
10…30 VDC	
200 mA	
500 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
PVC, Ultra-Flex	
built-in	Integriert

IPS8-N6PO45-A2P
IPS8-N6PC45-A2P

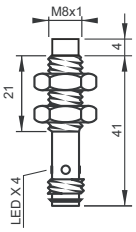
IPS8-N6NO45-A2P
IPS8-N6NC45-A2P

Unshielded
Nicht bündig

M8 - 6 mm



Extended
Erweitert



M8x1	
6 mm	
10…30 VDC	
200 mA	
500 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
Conn. M8	Stecker M8
built-in	Integriert

IPS8-N6PO45-A8
IPS8-N6PC45-A8

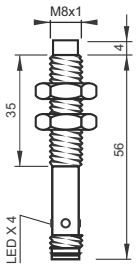
IPS8-N6NO45-A8
IPS8-N6NC45-A8

Unshielded
Nicht bündig

M8 - 6 mm



Extended
Erweitert



M8x1	
6 mm	
10…30 VDC	
200 mA	
500 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
Conn. M8	Stecker M8
built-in	Integriert

IPS8-N6PO60-A8
IPS8-N6PC60-A8

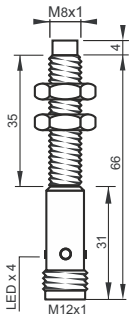
IPS8-N6NO60-A8
IPS8-N6NC60-A8

Unshielded
Nicht bündig

M8 - 6 mm



Extended
Erweitert



M8x1	
6 mm	
10…30 VDC	
200 mA	
500 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
Conn. M12	Stecker M12
built-in	Integriert

IPS8-N6PO70-A12
IPS8-N6PC70-A12

IPS8-N6NO70-A12
IPS8-N6NC70-A12

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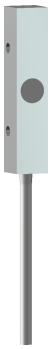
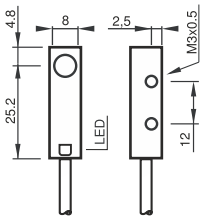
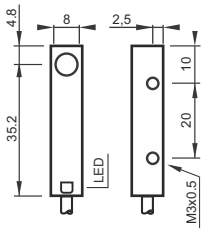
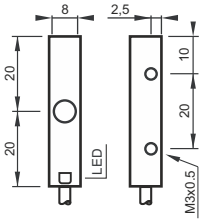
XECRO behält sich das Recht vor, geringfügige Anpassungen jederzeit durchzuführen.

INDUCTIVE

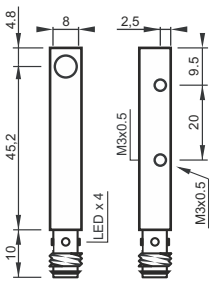
Shielded Bündig **8x8 - 2 mm**	Shielded Bündig **8x8 - 2 mm**	Shielded Bündig **8x8 - 2 mm**
		
Increased Erhöht	Increased Erhöht	Increased Erhöht
		

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
Part Number | Artikelnummer				
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



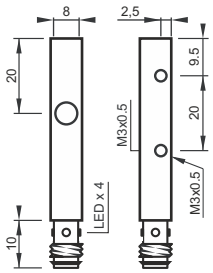
Increased
Erhöht



Shielded
Bündig
8x8 - 2 mm



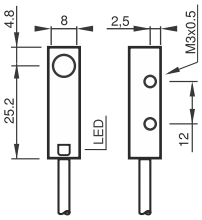
Increased
Erhöht



Shielded
Bündig
8x8 - 3 mm



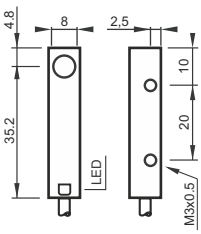
Extended
Erweitert



Shielded
Bündig
8x8 - 3 mm



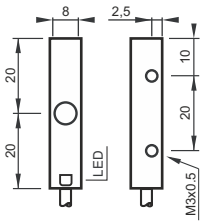
Extended
Erweitert



Shielded
Bündig
8x8 - 3 mm



Extended
Erweitert



8 x 8		8 x 8		8 x 8		8 x 8		8 x 8	
2 mm		2 mm		3 mm		3 mm		3 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		IP67		IP67	
PBT		PBT		PBT		PBT		PBT	
Brass	Messing	Brass	Messing	Brass	Messing	Brass	Messing	Brass	Messing
Conn. M8	Stecker M8	Conn. M8	Stecker M8	PVC, Ultra-Flex		PVC, Ultra-Flex		PVC, Ultra-Flex	
built-in	Integriert	built-in	Integriert	built-in	Integriert	built-in	Integriert	built-in	Integriert
IPS88-S2PO60-A8		IPS88-S2PO60C-A8		IPS88-S3PO30-A2P		IPS88-S3PO40-A2P		IPS88-S3PO40C-A2P	
IPS88-S2PC60-A8		IPS88-S2PC60C-A8		IPS88-S3PC30-A2P		IPS88-S3PC40-A2P		IPS88-S3PC40C-A2P	
IPS88-S2NO60-A8		IPS88-S2NO60C-A8		IPS88-S3NO30-A2P		IPS88-S3NO40-A2P		IPS88-S3NO40C-A2P	
IPS88-S2NC60-A8		IPS88-S2NC60C-A8		IPS88-S3NC30-A2P		IPS88-S3NC40-A2P		IPS88-S3NC40C-A2P	

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XECRO behält sich das Recht vor, geringfügige Anpassungen jederzeit durchzuführen.

INDUCTIVE

Shielded
Bündig
8x8 - 3 mm



Shielded
Bündig
8x8 - 3 mm

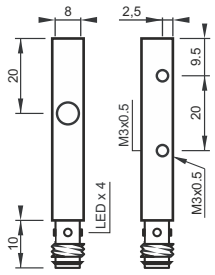


Shielded
Bündig
M12 - 1 mm

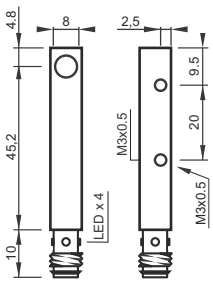
NEW



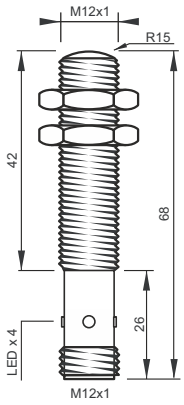
Extended
Erweitert



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
Part Number | **Artikelnummer**							
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	+						

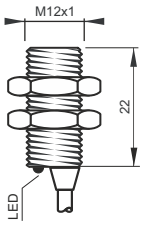
IUF12 – highest precision when used as mechanical end stop.
IUF12 – höchste Genauigkeit durch Verwendung als mechanischer Endanschlag.

Shielded
Bündig
M12 - 2 mm

NEW



Standard



M12x1	
2 mm	
10…30 VDC	
200 mA	
2000 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
PVC, Ultra-Flex	
built-in	Integriert

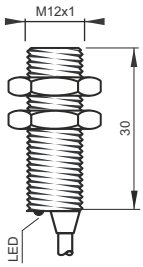
IPS12-S2PO22-A2P
IPS12-S2PC22-A2P

IPS12-S2NO22-A2P
IPS12-S2NC30-A2P

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

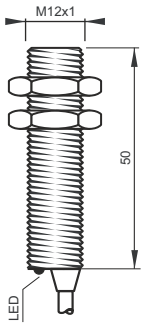
IPS12-S2PO30-A2P
IPS12-S2PC30-A2P

IPS12-S2NO30-A2P
IPS12-S2NC30-A2P

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

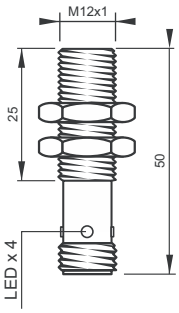
IPS12-S2PO50-A2P
IPS12-S2PC50-A2P

IPS12-S2NO50-A2P
IPS12-S2NC50-A2P

Shielded
Bündig
M12 - 2 mm



Standard



M12x1	
2 mm	
10…30 VDC	
200 mA	
2000 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
Conn. M12	Stecker M12
built-in	Integriert

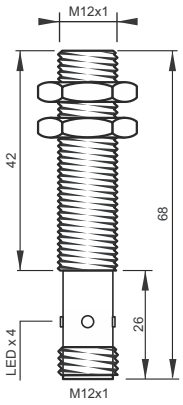
IPS12-S2PO50-A12
IPS12-S2PC50-A12

IPS12-S2NO50-A12
IPS12-S2NC50-A12

Shielded
Bündig
M12 - 2 mm



Standard



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

IPS12-S2NO68-A12
IPS12-S2NC68-A12

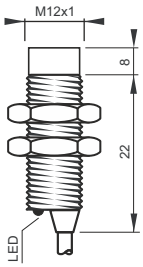
XECRO reserves the right to make minor changes without prior notification.
XECRO behält sich das Recht vor, geringfügige Anpassungen jederzeit durchzuführen.

INDUCTIVE

Unshielded
Nicht bündig
M12 - 4 mm



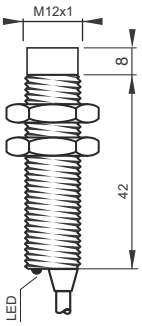
Standard



Unshielded
Nicht bündig
M12 - 4 mm



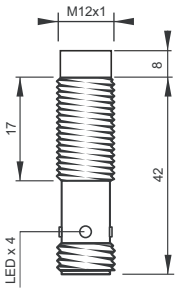
Standard



Unshielded
Nicht bündig
M12 - 4 mm



Standard



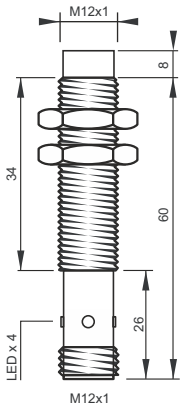
Housing	**Bauform**	**M12x1**	**M12x1**	**M12x1**
Sensing Distance	Schaltabstand	4 mm	4 mm	4 mm
Operating Voltage	Betriebsspannung	10…30 Vdc	10…30 Vdc	10…30 Vdc
Current Load Capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA
Switching Frequency	Schaltfrequenz	1000 Hz	1000 Hz	1000 Hz
Operating Temperature	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
Part Number | Artikelnummer				
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



M12x1	
4 mm	
10…30 VDC	
200 mA	
1000 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
Conn. M12	Stecker M12
built-in	Integriert

IPS12-N4PO68-A12
IPS12-N4PC68-A12

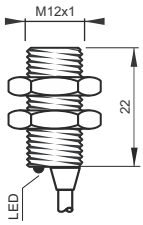
IPS12-N4NO68-A12
IPS12-N4NC68-A12

Shielded
Bündig
M12 - 4 mm

NEW



Increased
Erhöht



M12x1	
4 mm	
10…30 VDC	
200 mA	
1000 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
PVC, Ultra-Flex	
built-in	Integriert

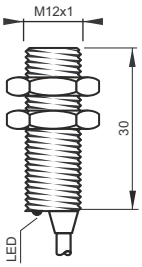
IPS12-S4PO22-A2P
IPS12-S4PC22-A2P

IPS12-S4NO22-A2P
IPS12-S4NC22-A2P

Shielded
Bündig
M12 - 4 mm



Increased
Erhöht



M12x1	
4 mm	
10…30 VDC	
200 mA	
1000 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
PVC, Ultra-Flex	
built-in	Integriert

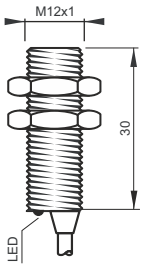
IPS12-S4PO30-A2P
IPS12-S4PC30-A2P
IPS12-S4PCO30-A2P

IPS12-S4NO30-A2P
IPS12-S4NC30-A2P
IPS12-S4NCO30-A2P

Shielded
Bündig
M12 - 4 mm



Metal Face
Vollmetall



M12x1	
4 mm	
10…30 VDC	
200 mA	
1000 Hz	
-25…75 °C	
IP69k, IP67	
Stainless Steel	Edelstahl
Stainless Steel	Edelstahl
PVC, Ultra-Flex	
built-in	Integriert

IMF12-S4PO30-A2P
IMF12-S4PC30-A2P

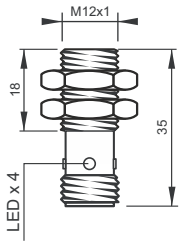
IMF12-S4NO30-A2P
IMF12-S4NC30-A2P

Shielded
Bündig
M12 - 4 mm

NEW



Increased
Erhöht



M12x1	
4 mm	
10…30 VDC	
200 mA	
1000 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
Conn. M12	Stecker M12
built-in	Integriert

IPS12-S4PO35-A12
IPS12-S4PC35-A12
IPS12-S4PCO35-A12

IPS12-S4NO35-A12
IPS12-S4NC35-A12
IPS12-S4NCO35-A12

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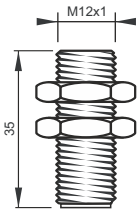
INDUCTIVE

Shielded
Bündig
M12 - 4 mm

NEW



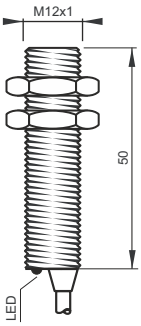
Increased
Erhöht



Shielded
Bündig
M12 - 4 mm



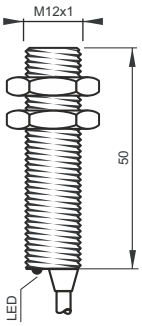
Increased
Erhöht



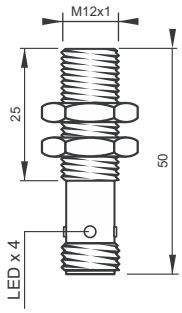
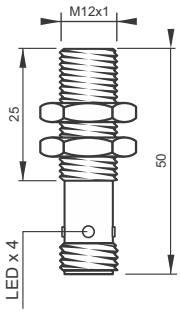
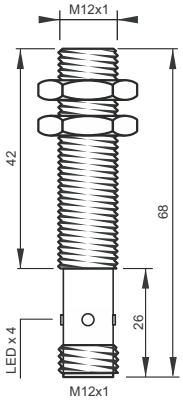
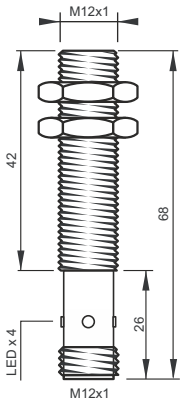
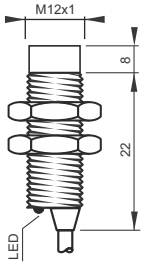
Shielded
Bündig
M12 - 4 mm



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**	Shielded Bündig **M12 - 4 mm**	Shielded Bündig **M12 - 4 mm**	Shielded Bündig **M12 - 4 mm**	Unshielded Nicht bündig **M12 - 6 mm**
				
Increased Erhöht	Metal Face Vollmetall	Increased Erhöht	Metal Face Vollmetall	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		

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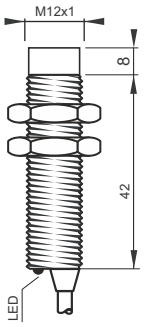
INDUCTIVE

Unshielded
Nicht bündig
M12 - 6 mm



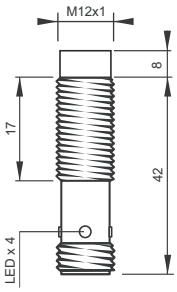
Metal Face
Vollmetall



Unshielded
Nicht bündig
M12 - 6 mm



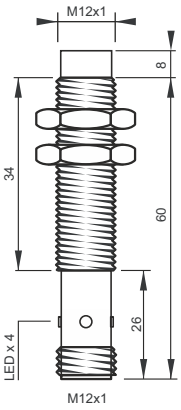
Metal Face
Vollmetall



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
Part Number | Artikelnummer				
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				

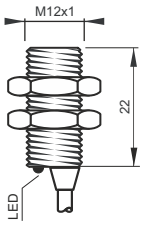
Semi-Shielded
Quasi bündig

M12 - 6 mm

NEW



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

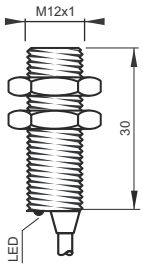
IPS12-S6NO22-A2P
IPS12-S6NC30-A2P

Semi-Shielded
Quasi bündig

M12 - 6 mm



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-S6PO30-A2P
IPS12-S6PC30-A2P

IPS12-S6NO30-A2P
IPS12-S6NC30-A2P

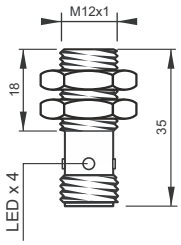
Semi-Shielded
Quasi bündig

M12 - 6 mm

NEW



Extended
Erweitert



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

IPS12-S6NO35-A12
IPS12-S6NC35M12

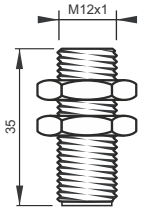
Semi-Shielded
Quasi bündig

M12 - 6 mm

NEW



Extended
Erweitert



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

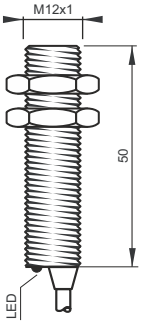
IPS12-S6NO35-N12
IPS12-S6NC35M12

Semi-Shielded
Quasi bündig

M12 - 6 mm



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-S6PO50-A2P
IPS12-S6PC50-A2P

IPS12-S6NO50-A2P
IPS12-S6NC50-A2P

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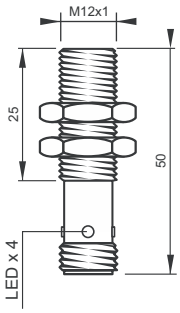
INDUCTIVE

Semi-Shielded
Quasi bündig
M12 - 6 mm



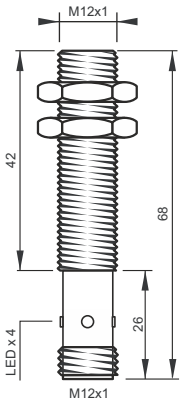
Extended
Erweitert



Semi-Shielded
Quasi bündig
M12 - 6 mm



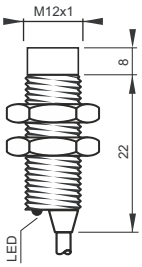
Extended
Erweitert



Unshielded
Nicht bündig
M12 - 8 mm



Increased
Erhöht

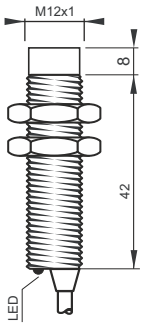


Housing	**Bauform**	**M12x1**		**M12x1**		**M12x1**	
Sensing Distance	Schaltabstand	6 mm		6 mm		8 mm	
Operating Voltage	Betriebsspannung	10…30 Vdc		10…30 Vdc		10…30 Vdc	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	800 Hz		800 Hz		500 Hz	
Operating 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
Part Number | **Artikelnummer**							
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



M12x1	
8 mm	
10…30 VDC	
200 mA	
500 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
PVC, Ultra-Flex	
built-in	Integriert

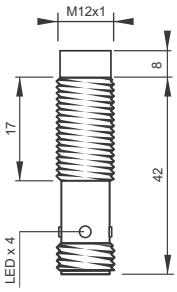
IPS12-N8PO50-A2P
IPS12-N8PC50-A2P

IPS12-N8NO50-A2P
IPS12-N8NC50-A2P

Unshielded
Nicht bündig
M12 - 8 mm



Increased
Erhöht



M12x1	
8 mm	
10…30 VDC	
200 mA	
500 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
Conn. M12	Stecker M12
built-in	Integriert

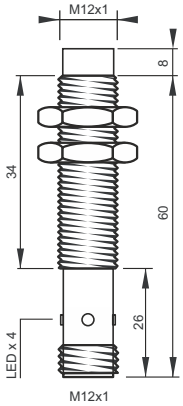
IPS12-N8PO50-A12
IPS12-N8PC50-A12

IPS12-N8NO50-A12
IPS12-N8NC50-A12

Unshielded
Nicht bündig
M12 - 8 mm



Increased
Erhöht



M12x1	
8 mm	
10…30 VDC	
200 mA	
500 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
Conn. M12	Stecker M12
built-in	Integriert

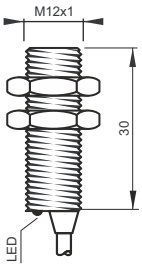
IPS12-N8PO68-A12
IPS12-N8PC68-A12

IPS12-N8NO68-A12
IPS12-N8NC68-A12

Semi-Shielded
Quasi bündig
M12 - 8 mm



Performance
Hochleistung



M12x1	
8 mm	
10…30 VDC	
200 mA	
800 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
PVC, Ultra-Flex	
built-in	Integriert

IPS12-S8PO30-A2P
IPS12-S8PC30-A2P

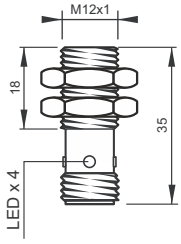
IPS12-S8NO30-A2P
IPS12-S8NC30-A2P

Semi-Shielded
Quasi bündig
M12 - 8 mm

NEW



Performance
Hochleistung



M12x1	
8 mm	
10…30 VDC	
200 mA	
800 Hz	
-25…75 °C	
IP67	
po45	PBT
Brass	Messing
Conn. M12	Stecker M12
built-in	Integriert

IPS12-S8PO35-A12
IPS12-S8PC35-A12

IPS12-S8NO35-A12
IPS12-S8NC35-A12

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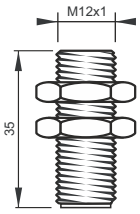
INDUCTIVE

Semi-Shielded
Quasi bündig
M12 - 8 mm

NEW



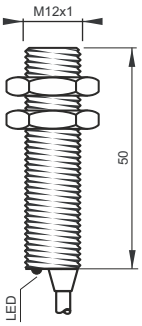
Performance
Hochleistung



Semi-Shielded
Quasi bündig
M12 - 8 mm



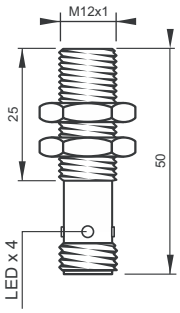
Performance
Hochleistung



Semi-Shielded
Quasi bündig
M12 - 8 mm



Performance
Hochleistung



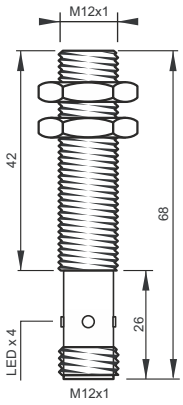
Housing	**Bauform**	**M12x1**		**M12x1**		**M12x1**	
Sensing Distance	Schaltabstand	8 mm		8 mm		8 mm	
Operating Voltage	Betriebsspannung	10…30 Vdc		10…30 Vdc		10…30 Vdc	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	800 Hz		800 Hz		800 Hz	
Operating 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
Part Number | **Artikelnummer**							
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



Performance
Hochleistung



M12x1	
8 mm	
10…30 VDC	
200 mA	
800 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
Conn. M12	Stecker M12
built-in	Integriert

IPS12-S8PO68-A12
IPS12-S8PC68-A12

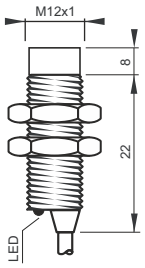
IPS12-S8NO68-A12
IPS12-S8NC68-A12

Unshielded
Nicht bündig

M12 - 10 mm



Extended
Hochleistung



M12x1	
10 mm	
10…30 VDC	
200 mA	
400 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
PVC, Ultra-Flex	
built-in	Integriert

IPS12-N10PO30-A2P
IPS12-N10PC30-A2P

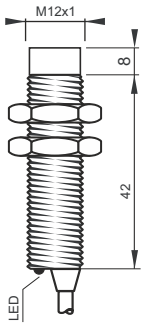
IPS12-N10NO30-A2P
IPS12-N10NC30-A2P

Unshielded
Nicht bündig

M12 - 10 mm



Extended
Hochleistung



M12x1	
10 mm	
10…30 VDC	
200 mA	
400 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
PVC, Ultra-Flex	
built-in	Integriert

IPS12-N10PO50-A2P
IPS12-N10PC50-A2P

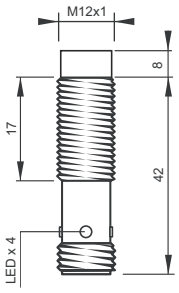
IPS12-N10NO50-A2P
IPS12-N10NC50-A2P

Unshielded
Nicht bündig

M12 - 10 mm



Extended
Hochleistung



M12x1	
10 mm	
10…30 VDC	
200 mA	
400 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
Conn. M12	Stecker M12
built-in	Integriert

IPS12-N10PO50-A12
IPS12-N10PC50-A12

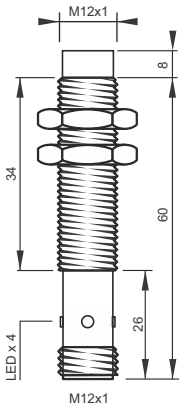
IPS12-N10NO50-A12
IPS12-N10NC50-A12

Unshielded
Nicht bündig

M12 - 10 mm



Extended
Hochleistung



M12x1	
10 mm	
10…30 VDC	
200 mA	
400 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
Conn. M12	Stecker M12
built-in	Integriert

IPS12-N10PO68-A12
IPS12-N10PC68-A12

IPS12-N10NO68-A12
IPS12-N10NC68-A12

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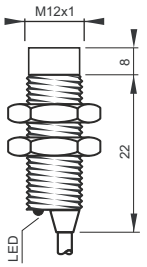
INDUCTIVE

Unshielded
Nicht bündig
M12 - 12 mm



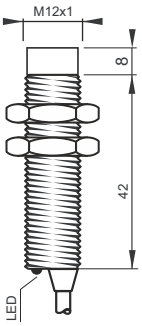
Performance
Hochleistung



Unshielded
Nicht bündig
M12 - 12 mm



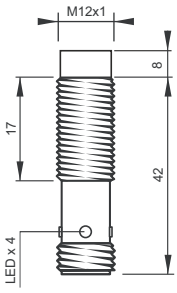
Performance
Hochleistung



Unshielded
Nicht bündig
M12 - 12 mm



Performance
Hochleistung



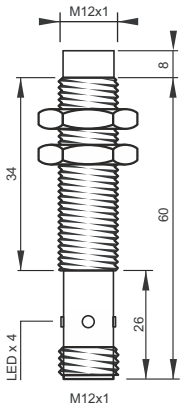
Housing	**Bauform**	**M12x1**	**M12x1**	**M12x1**
Sensing Distance	Schaltabstand	12 mm	12 mm	12 mm
Operating Voltage	Betriebsspannung	10…30 Vdc	10…30 Vdc	10…30 Vdc
Current Load Capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA
Switching Frequency	Schaltfrequenz	400 Hz	400 Hz	400 Hz
Operating Temperature	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
Part Number | Artikelnummer				
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



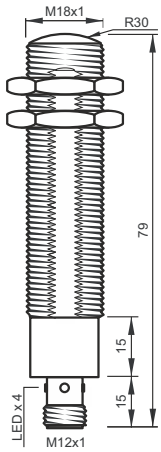
M12x1	
12 mm	
10…30 VDC	
200 mA	
400 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
Conn. M12	Stecker M12
built-in	Integriert
IPS12-N12PO68-A12	
IPS12-N12PC68-A12	
IPS12-N12NO68-A12	
IPS12-N12NC68-A12	

Shielded
Bündig
M18 - 1 mm

NEW



ULTRA Metal Face
ULTRA Vollmetall

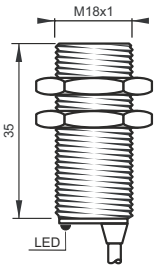


M18x1		
)* 1 mm		
10…30 VDC		
200 mA		
500 Hz		
-25…75 °C		
IP69k, IP67		
5 mm Stainless	5 mmEdelstahl	
Stainless Steel	Edelstahl	
Conn. M12	Stecker M12	
built-in	Integriert	
IUF18-S1PO79-A12		
IUF18-S1PC79-A12		
IUF18-S1NO79-A12		
IUF18-S1NC79-A12		

Shielded
Bündig
M18 - 5 mm



Standard

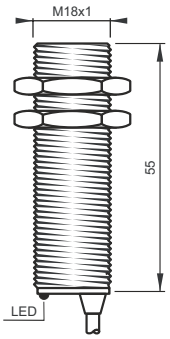


M18x1	
5 mm	
10…30 VDC	
200 mA	
1000 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
PVC, Ultra-Flex	
built-in	Integriert
IPS18-S5PO35-A2P	
IPS18-S5PC35-A2P	
IPS18-S5NO35-A2P	
IPS18-S5NC35-A2P	

Shielded
Bündig
M18 - 5 mm



Standard

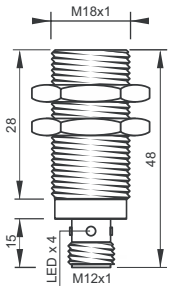


M18x1	
5 mm	
10…30 VDC	
200 mA	
1000 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
PVC, Ultra-Flex	
built-in	Integriert
IPS18-S5PO55-A2P	
IPS18-S5PC55-A2P	
IPS18-S5NO55-A2P	
IPS18-S5NC55-A2P	

Shielded
Bündig
M18 - 5 mm



Standard



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	

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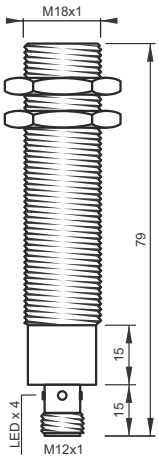
INDUCTIVE

Shielded
Bündig
M18 - 5 mm



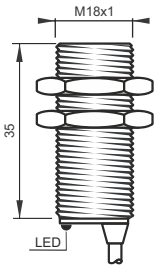
Standard



Shielded
Bündig
M18 - 8 mm



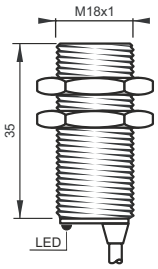
Increased
Erhöht



Shielded
Bündig
M18 - 8 mm



Metal Face
Vollmetall



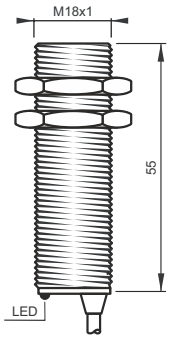
Housing	**Bauform**	**M18x1**	**M18x1**	**M18x1**
Sensing Distance	Schaltabstand	5 mm	8 mm	8 mm
Operating Voltage	Betriebsspannung	10…30 Vdc	10…30 Vdc	10…30 Vdc
Current Load Capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA
Switching Frequency	Schaltfrequenz	1000 Hz	500 Hz	500 Hz
Operating Temperature	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
Part Number | **Artikelnummer**				
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



M18x1	
8 mm	
10…30 VDC	
200 mA	
500 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
PVC, Ultra-Flex	
built-in	Integriert

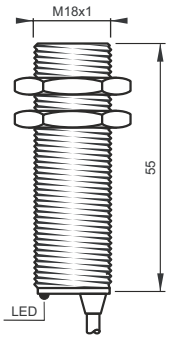
IPS18-S8PO55-A2P
IPS18-S8PC55-A2P
IPS18-S8PCO55-A2P
IPS18-S8NO55-A2P
IPS18-S8NC55-A2P
IPS18-S8NCO55-A2P

Shielded
Bündig

M18 - 8 mm



Metal Face
Vollmetall



M18x1	
8 mm	
10…30 VDC	
200 mA	
500 Hz	
-25…75 °C	
IP69k, IP67	
Stainless Steel	Edelstahl
Stainless Steel	Edelstahl
PVC, Ultra-Flex	
built-in	Integriert

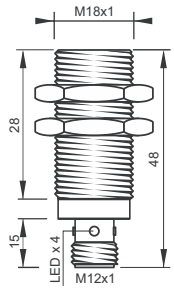
IMF18-S8PO55-A2P
IMF18-S8PC55-A2P
IMF18-S8NO55-A2P
IMF18-S8NC55-A2P

Shielded
Bündig

M18 - 8 mm



Increased
Erhöht



M18x1	
8 mm	
10…30 VDC	
200 mA	
500 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
Conn. M12	Stecker M12
built-in	Integriert

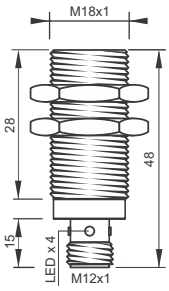
IPS18-S8PO48-A12
IPS18-S8PC48-A12
IPS18-S8PCO48-A12
IPS18-S8NO48-A12
IPS18-S8NC48-A12
IPS18-S8NCO48-A12

Shielded
Bündig

M18 - 8 mm



Metal Face
Vollmetall



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

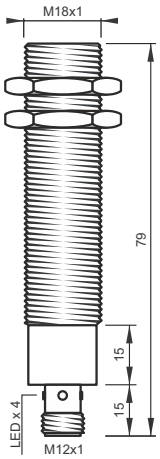
IMF18-S8PO48-A12
IMF18-S8PC48-A12
IMF18-S8NO48-A12
IMF18-S8NC48-A12

Shielded
Bündig

M18 - 8 mm



Increased
Erhöht



M18x1	
8 mm	
10…30 VDC	
200 mA	
500 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
Conn. M12	Stecker M12
built-in	Integriert

IPS18-S8PO79-A12
IPS18-S8PC79-A12
IPS18-S8PCO79-A12
IPS18-S8NO79-A12
IPS18-S8NC79-A12
IPS18-S8NCO79-A12

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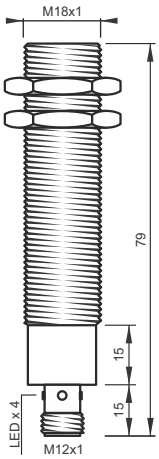
INDUCTIVE

Shielded
Bündig
M18 - 8 mm



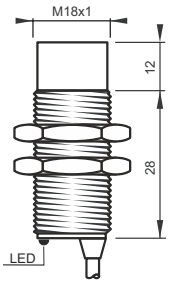
Metal Face
Vollmetall



Unshielded
Nicht bündig
M18 - 8 mm



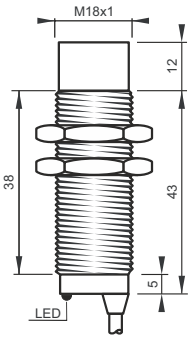
Standard



Unshielded
Nicht bündig
M18 - 8 mm



Standard

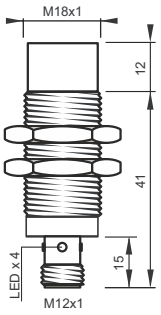


Housing	**Bauform**	**M18x1**	**M18x1**	**M18x1**
Sensing Distance	Schaltabstand	8 mm	8 mm	8 mm
Operating Voltage	Betriebsspannung	10…30 Vdc	10…30 Vdc	10…30 Vdc
Current Load Capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA
Switching Frequency	Schaltfrequenz	500 Hz	500 Hz	500 Hz
Operating Temperature	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
Part Number | **Artikelnummer**				
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

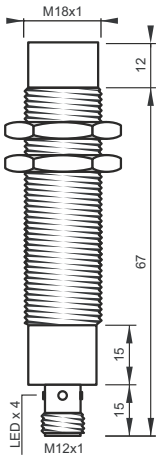


M18x1	
8 mm	
10…30 VDC	
200 mA	
500 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
Conn. M12	Stecker M12
built-in	Integriert
IPS18-N8PO53-A12	
IPS18-N8PC53-A12	
IPS18-N8NO53-A12	
IPS18-N8NC53-A12	

Unshielded
Nicht bündig
M18 - 8 mm



Standard

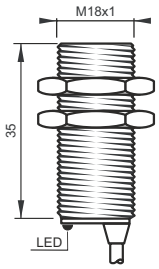


M18x1	
8 mm	
10…30 VDC	
200 mA	
500 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
Conn. M12	Stecker M12
built-in	Integriert
IPS18-N8PO79-A12	
IPS18-N8PC79-A12	
IPS18-N8NO79-A12	
IPS18-N8NC79-A12	

Semi-Shielded
Quasi bündig
M18 - 12 mm



Extended
Erweitert

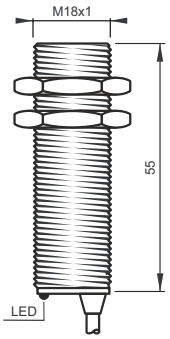


M18x1	
12 mm	
10…30 VDC	
200 mA	
300 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
PVC, Ultra-Flex	
built-in	Integriert
IPS18-S12PO35-A2P	
IPS18-S12PC35-A2P	
IPS18-S12NO35-A2P	
IPS18-S12NC35-A2P	

Semi-Shielded
Quasi bündig
M18 - 12 mm



Extended
Erweitert

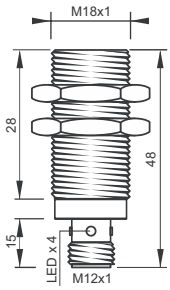


M18x1	
12 mm	
10…30 VDC	
200 mA	
300 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
PVC, Ultra-Flex	
built-in	Integriert
IPS18-S12PO55-A2P	
IPS18-S12PC55-A2P	
IPS18-S12NO55-A2P	
IPS18-S12NC55-A2P	

Semi-Shielded
Quasi bündig
M18 - 12 mm



Extended
Erweitert



M18x1	
12 mm	
10…30 VDC	
200 mA	
300 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
Conn. M12	Stecker M12
built-in	Integriert
IPS18-S12PO48-A12	
IPS18-S12PC48-A12	
IPS18-S12NO48-A12	
IPS18-S12NC48-A12	

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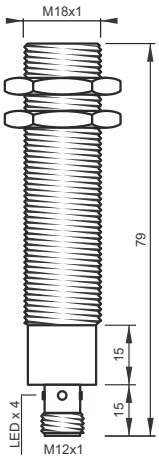
INDUCTIVE

Semi-Shielded
Quasi bündig
M18 - 12 mm



Extended
Erweitert

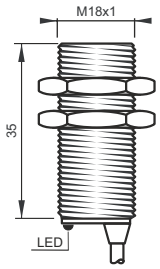


Semi-Shielded
Quasi bündig
M18 - 15 mm

NEW



Performance
Hochleistung

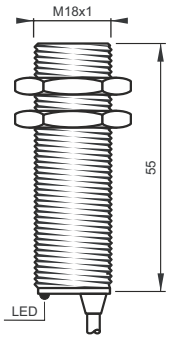


Semi-Shielded
Quasi bündig
M18 - 15 mm

NEW



Performance
Hochleistung

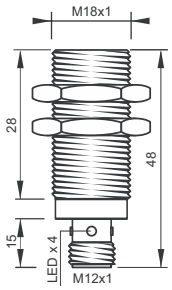


Housing	**Bauform**	**M18x1**		**M18x1**		**M18x1**	
Sensing Distance	Schaltabstand	12 mm		15 mm		15 mm	
Operating Voltage	Betriebsspannung	10…30 VDC		10…30 VDC		10…30 VDC	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	300 Hz		300 Hz		300 Hz	
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
Part Number | **Artikelnummer**							
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



Performance
Hochleistung



M18x1	
15 mm	
10…30 VDC	
200 mA	
300 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
Conn. M12	Stecker M12
built-in	Integriert

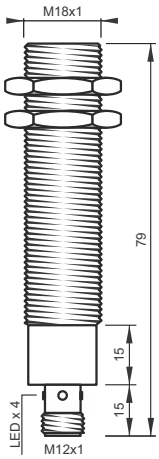
IPS18-S15PO48-A12
IPS18-S15PC48-A12

IPS18-S15NO48-A12
IPS18-S15NC48-A12

Semi-Shielded
Quasi bündig
M18 - 15 mm



Performance
Hochleistung



M18x1	
15 mm	
10…30 VDC	
200 mA	
300 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
Conn. M12	Stecker M12
built-in	Integriert

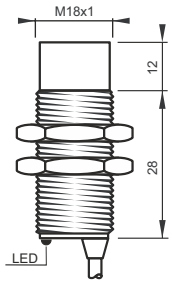
IPS18-S15PO79-A12
IPS18-S15PC79-A12

IPS18-S15NO79-A12
IPS18-S15NC79-A12

Unshielded
Nicht bündig
M18 - 16 mm



Increased
Erhöht



M18x1	
16 mm	
10…30 VDC	
200 mA	
150 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
PVC, Ultra-Flex	
built-in	Integriert

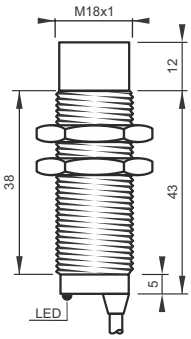
IPS18-N16PO40-A2P
IPS18-N16PC40-A2P

IPS18-N16NO40-A2P
IPS18-N16NC40-A2P

Unshielded
Nicht bündig
M18 - 16 mm



Increased
Erhöht



M18x1	
16 mm	
10…30 VDC	
200 mA	
150 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
PVC, Ultra-Flex	
built-in	Integriert

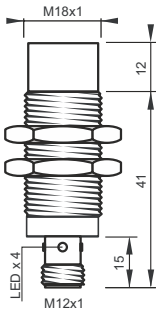
IPS18-N16PO55-A2P
IPS18-N16PC55-A2P

IPS18-N16NO55-A2P
IPS18-N16NC55-A2P

Unshielded
Nicht bündig
M18 - 16 mm



Increased
Erhöht



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-N16NO53-A12
IPS18-N16NC53-A12

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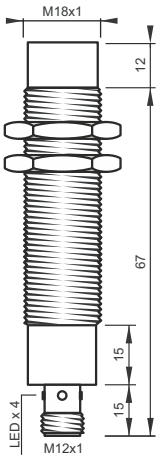
INDUCTIVE

Unshielded
Nicht bündig
M18 - 16 mm



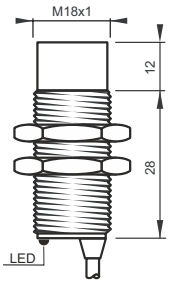
Increased
Erhöht



Unshielded
Nicht bündig
M18 - 20 mm



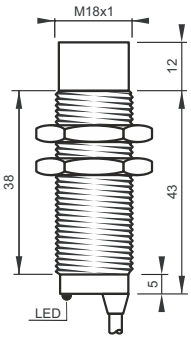
Extended
Erweitert



Unshielded
Nicht bündig
M18 - 20 mm



Extended
Erweitert



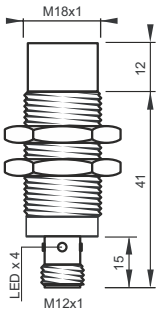
Housing	**Bauform**	**M18x1**		**M18x1**		**M18x1**	
Sensing Distance	Schaltabstand	16 mm		20 mm		20 mm	
Operating Voltage	Betriebsspannung	10…30 VDC		10…30 VDC		10…30 VDC	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	150 Hz		100 Hz		100 Hz	
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
Part Number | **Artikelnummer**							
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

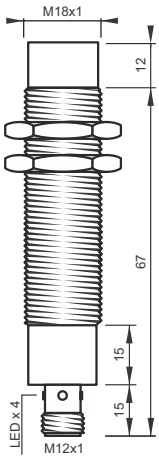


M18x1	
20 mm	
10…30 VDC	
200 mA	
100 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
Conn. M12	Stecker M12
built-in	Integriert
IPS18-N20PO53-A12	
IPS18-N20PC53-A12	
IPS18-N20NO53-A12	
IPS18-N20NC53-A12	

Unshielded
Nicht bündig
M18 - 20 mm



Extended
Erweitert

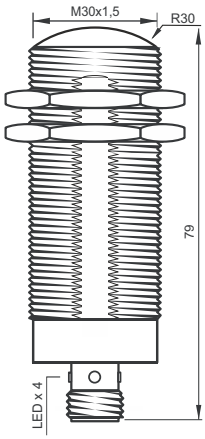


M18x1	
20 mm	
10…30 VDC	
200 mA	
100 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
Conn. M12	Stecker M12
built-in	Integriert
IPS18-N20PO79-A12	
IPS18-N20PC79-A12	
IPS18-N20NO79-A12	
IPS18-N20NC79-A12	

Shielded
Bündig
M30 - 1 mm



ULTRA Metal Face
ULTRA Vollmetall

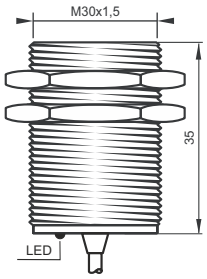


M30x1		
)* 1 mm		
10…30 VDC		
200 mA		
500 Hz		
-25…75 °C		
IP69k, IP67		
7 mm Stainless	7 mm Edelstahl	
Stainless Steel	Edelstahl	
Conn. M12	Stecker M12	
built-in	Integriert	
IUF30-S1PO79-A12		
IUF30-S1PC79-A12		
IUF30-S1NO79-A12		
IUF30-S1NC79-A12		

Shielded
Bündig
M30 - 10 mm



Standard

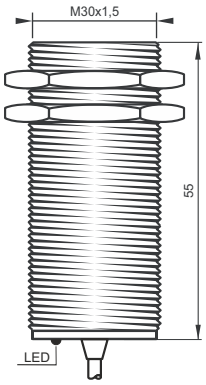


M30x1.5	
10 mm	
10…30 VDC	
200 mA	
300 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
PVC, Ultra-Flex	
built-in	Integriert
IPS30-S10PO35-A2P	
IPS30-S10PC35-A2P	
IPS30-S10NO35-A2P	
IPS30-S10NC35-A2P	

Shielded
Bündig
M30 - 10 mm



Standard



M30x1.5	
10 mm	
10…30 VDC	
200 mA	
300 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
PVC, Ultra-Flex	
built-in	Integriert
IPS30-S10PO55-A2P	
IPS30-S10PC55-A2P	
IPS30-S10NO55-A2P	
IPS30-S10NC55-A2P	

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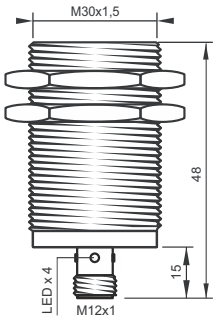
INDUCTIVE

Shielded
Bündig
M30 - 10 mm



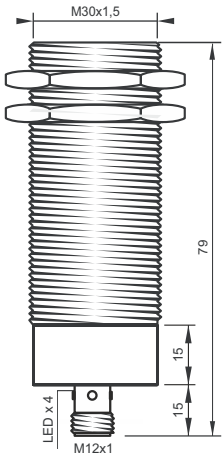
Standard



Shielded
Bündig
M30 - 10 mm



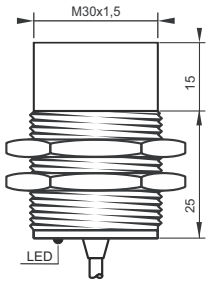
Standard



Unshielded
Nicht bündig
M30 - 15 mm



Standard

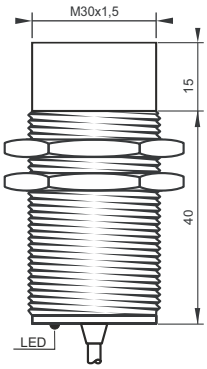


Housing	**Bauform**	**M30x1.5**		**M30x1.5**		**M30x1.5**	
Sensing Distance	Schaltabstand	10 mm		10 mm		15 mm	
Operating Voltage	Betriebsspannung	10…30 Vdc		10…30 Vdc		10…30 Vdc	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	300 Hz		300 Hz		150 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
Part Number | **Artikelnummer**							
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



M30x1.5	
15 mm	
10…30 VDC	
200 mA	
150 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
PVC, Ultra-Flex	
built-in	Integriert

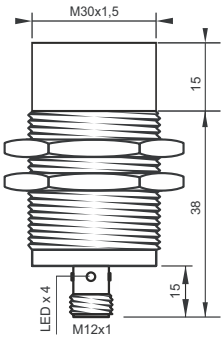
IPS30-N15PO55-A2P
IPS30-N15PC55-A2P

IPS30-N15NO55-A2P
IPS30-N15NC55-A2P

Unshielded
Nicht bündig
M30 - 15 mm



Standard



M30x1.5	
15 mm	
10…30 VDC	
200 mA	
150 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
Conn. M12	Stecker M12
built-in	Integriert

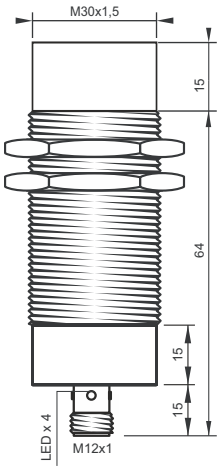
IPS30-N15PO53-A12
IPS30-N15PC53-A12

IPS30-N15NO53-A12
IPS30-N15NC53-A12

Unshielded
Nicht bündig
M30 - 15 mm



Standard



M30x1.5	
15 mm	
10…30 VDC	
200 mA	
150 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
Conn. M12	Stecker M12
built-in	Integriert

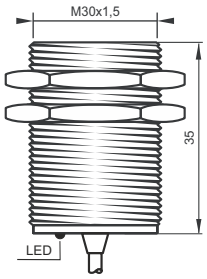
IPS30-N15PO79-A12
IPS30-N15PC79-A12

IPS30-N15NO79-A12
IPS30-N15NC79-A12

Shielded
Bündig
M30 - 16 mm



Increased
Erhöht



M30x1.5	
16 mm	
10…30 VDC	
200 mA	
150 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
PVC, Ultra-Flex	
built-in	Integriert

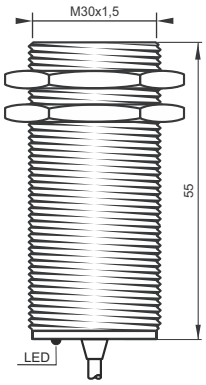
IPS30-S16PO35-A2P
IPS30-S16PC35-A2P

IPS30-S16NO35-A2P
IPS30-S16NC35-A2P

Shielded
Bündig
M30 - 16 mm



Increased
Erhöht



M30x1.5	
16 mm	
10…30 VDC	
200 mA	
150 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
PVC, Ultra-Flex	
built-in	Integriert

IPS30-S16PO55-A2P
IPS30-S16PC55-A2P

IPS30-S16NO55-A2P
IPS30-S16NC55-A2P

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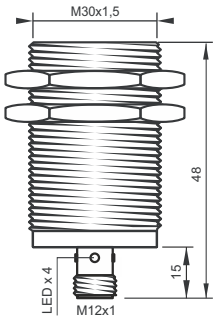
INDUCTIVE

Shielded
Bündig
M30 - 16 mm



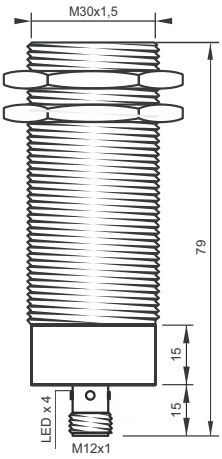
Increased
Erhöht



Shielded
Bündig
M30 - 16 mm



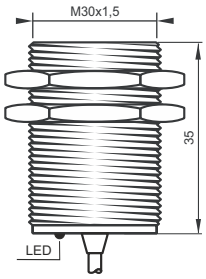
Increased
Erhöht



Semi-Shielded
Quasi bündig
M30 - 22 mm



Extended
Erweitert

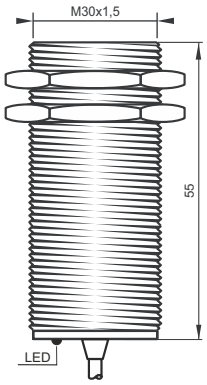


Housing	**Bauform**	**M30x1.5**		**M30x1.5**		**M30x1.5**	
Sensing Distance	Schaltabstand	16 mm		16 mm		22 mm	
Operating Voltage	Betriebsspannung	10…30 Vdc		10…30 Vdc		10…30 Vdc	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	150 Hz		150 Hz		150 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
Part Number | **Artikelnummer**							
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



M30x1.5	
22 mm	
10…30 VDC	
200 mA	
150 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
PVC, Ultra-Flex	
built-in	Integriert

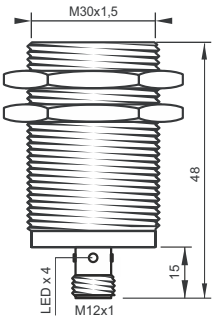
IPS30-S22PO55-A2P
IPS30-S22PC55-A2P

IPS30-S22NO55-A2P
IPS30-S22NC55-A2P

Semi-Shielded
Quasi bündig
M30 - 22 mm



Extended
Erweitert



M30x1.5	
22 mm	
10…30 VDC	
200 mA	
150 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
Conn. M12	Stecker M12
built-in	Integriert

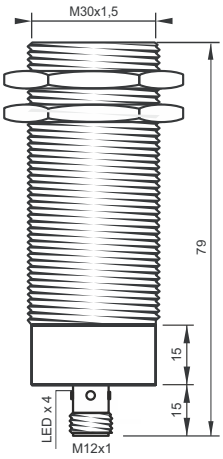
IPS30-S22PO48-A12
IPS30-S22PC48-A12

IPS30-S22NO48-A12
IPS30-S22NC48-A12

Semi-Shielded
Quasi bündig
M30 - 22 mm



Extended
Erweitert



M30x1.5	
22 mm	
10…30 VDC	
200 mA	
150 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
Conn. M12	Stecker M12
built-in	Integriert

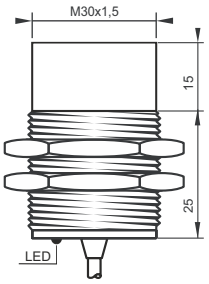
IPS30-S22PO79-A12
IPS30-S22PC79-A12

IPS30-S22NO79-A12
IPS30-S22NC79-A12

Unshielded
Nicht bündig
M30 - 25 mm



Increased
Erhöht



M30x1.5	
25 mm	
10…30 VDC	
200 mA	
100 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
PVC, Ultra-Flex	
built-in	Integriert

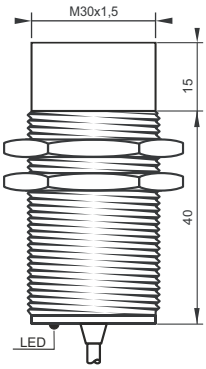
IPS30-N25PO40-A2P
IPS30-N25PC40-A2P

IPS30-N25NO40-A2P
IPS30-N25NC40-A2P

Unshielded
Nicht bündig
M30 - 25 mm



Increased
Erhöht



M30x1.5	
25 mm	
10…30 VDC	
200 mA	
100 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
PVC, Ultra-Flex	
built-in	Integriert

IPS30-N25PO55-A2P
IPS30-N25PC55-A2P

IPS30-N25NO55-A2P
IPS30-N25NC55-A2P

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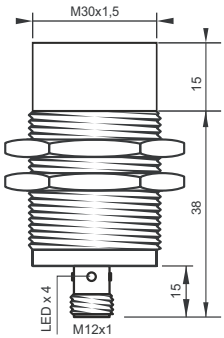
INDUCTIVE

Unshielded
Nicht bündig
M30 - 25 mm



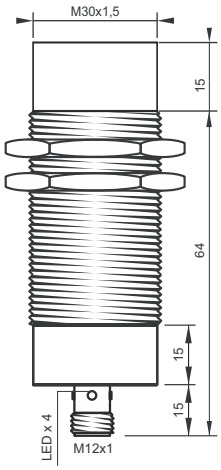
Increased
Erhöht



Unshielded
Nicht bündig
M30 - 25 mm



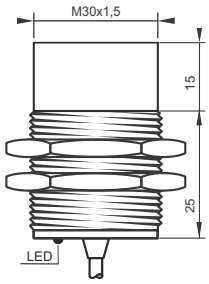
Increased
Erhöht



Unshielded
Nicht bündig
M30 - 40 mm



Extended
Erweitert



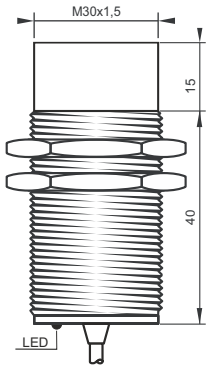
Housing	**Bauform**	**M30x1.5**		**M30x1.5**		**M30x1.5**	
Sensing Distance	Schaltabstand	25 mm		25 mm		40 mm	
Operating Voltage	Betriebsspannung	10…30 Vdc		10…30 Vdc		10…30 Vdc	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	100 Hz		100 Hz		100 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
Part Number | **Artikelnummer**							
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



M30x1.5	
40 mm	
10…30 VDC	
200 mA	
100 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
PVC, Ultra-Flex	
built-in	Integriert

IPS30-N40PO55-A2P
IPS30-N40PC55-A2P

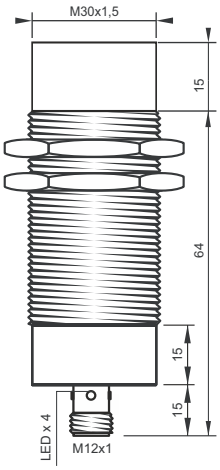
IPS30-N40NO55-A2P
IPS30-N40NC55-A2P

Unshielded
Nicht bündig

M30 - 40 mm



Extended
Erweitert



M30x1.5	
40 mm	
10…30 VDC	
200 mA	
100 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
Conn. M12	Stecker M12
built-in	Integriert

IPS30-N40PO79-A12
IPS30-N40PC79-A12

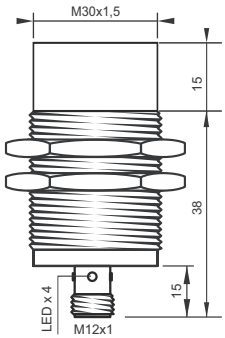
IPS30-N40NO79-A12
IPS30-N40NC79-A12

Unshielded
Nicht bündig

M30 - 40 mm



Extended
Erweitert



M30x1.5	
40 mm	
10…30 VDC	
200 mA	
100 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
Conn. M12	Stecker M12
built-in	Integriert

IPS30-N40PO53-A12
IPS30-N40PC53-A12

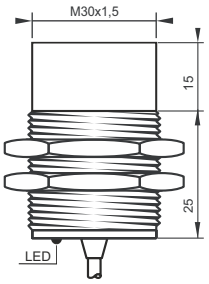
IPS30-N40NO53-A12
IPS30-N40NC53-A12

Unshielded
Nicht bündig

M30 - 50 mm



Performance
Hochleistung



M30x1.5	
50 mm	
10…30 VDC	
200 mA	
100 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
PVC, Ultra-Flex	
built-in	Integriert

IPS30-N50PO40-A2P
IPS30-N50PC40-A2P

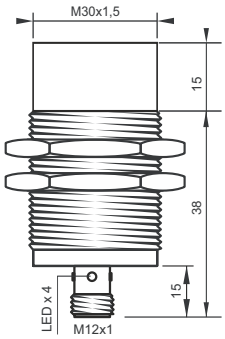
IPS30-N50NO40-A2P
IPS30-N50NC40-A2P

Unshielded
Nicht bündig

M30 - 50 mm



Performance
Hochleistung



M30x1.5	
50 mm	
10…30 VDC	
200 mA	
100 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
Conn. M12	Stecker M12
built-in	Integriert

IPS30-N50PO53-A12
IPS30-N50PC53-A12

IPS30-N50NO53-A12
IPS30-N50NC53-A12

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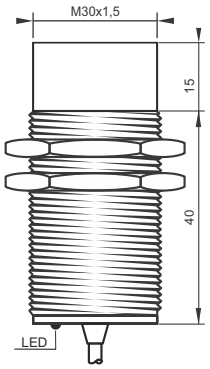
INDUCTIVE

Unshielded
Nicht bündig
M30 - 50 mm



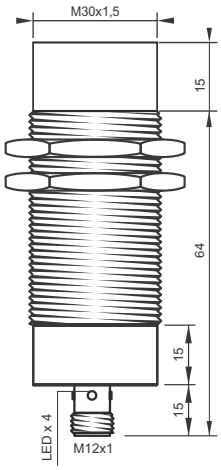
Performance
Hochleistung



Unshielded
Nicht bündig
M30 - 50 mm



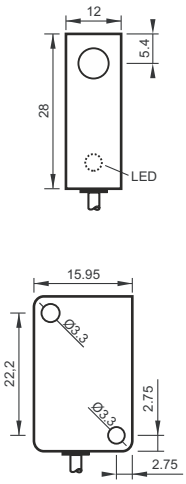
Performance
Hochleistung



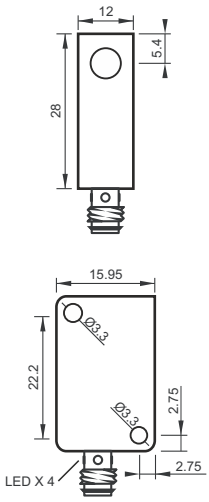
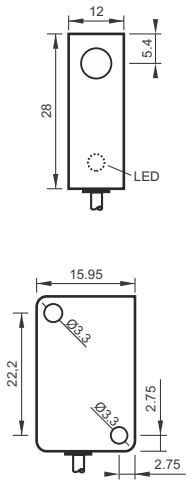
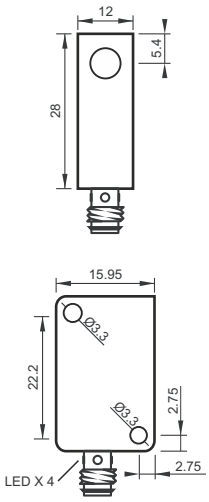
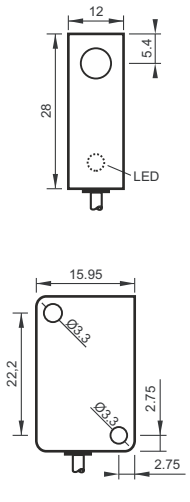
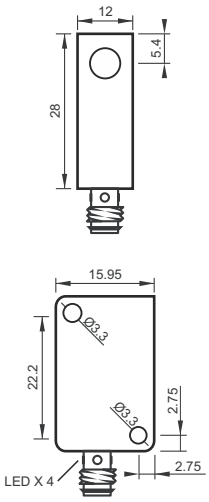
Shielded
Bündig
16x28 - 1 mm



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 Messing	Brass Messing	PBT
Connection	Anschluss	PVC, Ultra-Flex	Conn. M12 Stecker M12	PVC, Ultra-Flex
Switching Indicator	Schaltanzeige	built-in Integriert	built-in Integriert	built-in Integriert
Part Number | **Artikelnummer**				
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	Unshielded Nicht bündig	Unshielded Nicht bündig	Shielded Bündig	Shielded Bündig
16x28 - 1 mm	**16x28 - 2 mm**	**16x28 - 2 mm**	**16x28 - 2 mm**	**16x28 - 2 mm**
				
Standard	Standard	Standard	Increased Erhöht	Increased Erhöht
				
16 x 28 x 12 mm	**16 x 28 x 12 mm**	**16 x 28 x 12 mm**	**16 x 28 x 12 mm**	**16 x 28 x 12 mm**
1 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
PBT	PBT	PBT	PBT	PBT
Conn. M8 Stecker M8	PVC, Ultra-Flex	Conn. M8 Stecker M8	PVC, Ultra-Flex	Conn. M8 Stecker M8
built-in Integriert	built-in Integriert	built-in Integriert	built-in Integriert	built-in Integriert
IPS1628-S1POS-A8	IPS1628-N2POS-A2P	IPS1628-N2POS-A8	IPS1628-S2POS-A2P	IPS1628-S2POS-A8
IPS1628-S1PCS-A8	IPS1628-N2PCS-A2P	IPS1628-N2PCS-A8	IPS1628-S2PCS-A2P	IPS1628-S2PCS-A8
IPS1628-S1NOS-A8	IPS1628-N2NOS-A2P	IPS1628-N2NOS-A8	IPS1628-S2NOS-A2P	IPS1628-S2NOS-A8
IPS1628-S1NCS-A8	IPS1628-N22NCS-A2P	IPS1628-N2NCS-A8	IPS1628-S2NCS-A2P	IPS1628-S2NCS-A8

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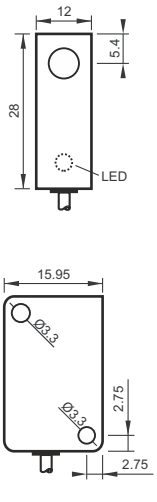
INDUCTIVE

Semi-Shielded
Quasi bündig
16x28 - 3 mm



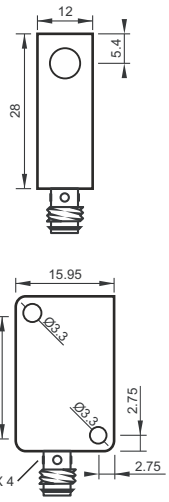
Extended
Erweitert



Semi-Shielded
Quasi bündig
16x28 - 3 mm



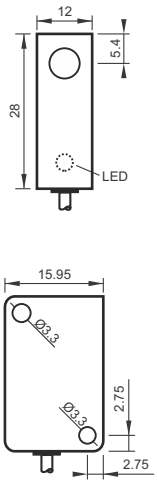
Extended
Erweitert



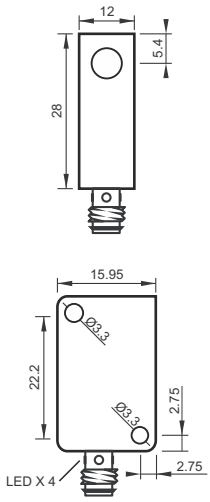
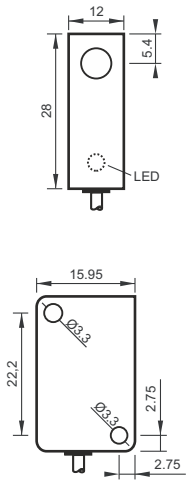
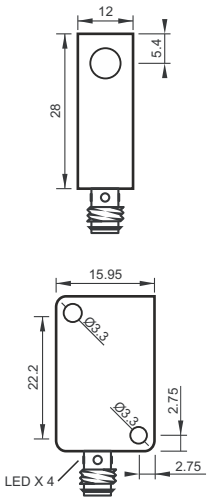
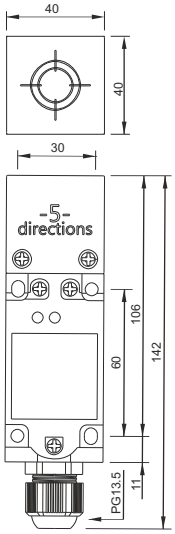
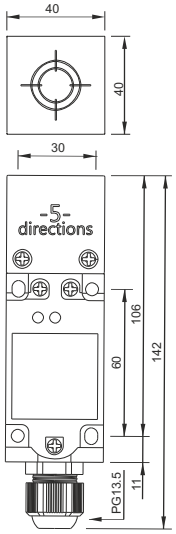
Unshielded
Nicht bündig
16x28 - 4 mm



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**	Unshielded Nicht bündig **16x28 - 6 mm**	Unshielded Nicht bündig **16x28 - 6 mm**	Shielded Bündig **40x40 - 15mm**	Shielded Bündig **40x40 - 20mm**
				
Increased Erhöht	Extended Erweitert	Extended Erweitert	Standard	Increased Erhöht
				

16 x 28 x 12 mm	**16 x 28 x 12 mm**	**16 x 28 x 12 mm**	**40x40 mm**	**40x40 mm**
4 mm	6 mm	6 mm	15 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
2000 Hz	2000 Hz	2000 Hz	120 Hz	120 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
PBT	PBT	PBT	PBT	PBT
Conn. M8 Stecker M8	PVC, Ultra-Flex	Conn. M8 Stecker M8	Terminal Klemme	Terminal Klemme
built-in Integriert	built-in Integriert	built-in Integriert	built-in Integriert	built-in Integriert
IPS1628-N4POS-A8	IPS1628-N6POS-A2P	IPS1628-N6POS-A8		
IPS1628-N4PCS-A8	IPS1628-N6PCS-A2P	IPS1628-N6PCS-A8		
			IPS40-S15PCOL-PG13	IPS40-S20PCOL-PG13
IPS1628-S2NOS-A8	IPS1628-S3NOS-A2P	IPS1628-S3NOS-A8		
IPS1628-S2NCS-A8	IPS1628-S3NCS-A2P	IPS1628-S3NCS-A8		
			IPS40-S15NCOL-PG13	IPS40-S20NCOL-PG13

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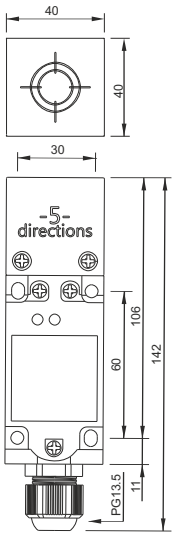
INDUCTIVE

Semi-Shielded
Quasi bündig
40x40 - 25mm



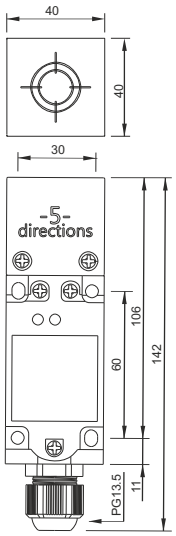
Extended
Erweitert



Unshielded
Nicht bündig
40x40 - 30mm



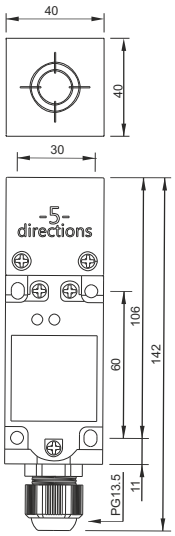
Increased
Erhöht



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	

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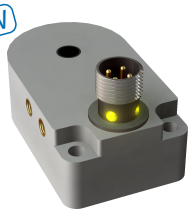
INDUCTIVE

Ø 6 mm - static
Ø 6 mm - statisch
Ø 1.0 mm



Ø 6 mm - static
Ø 6 mm - statisch
Ø 1.0 mm

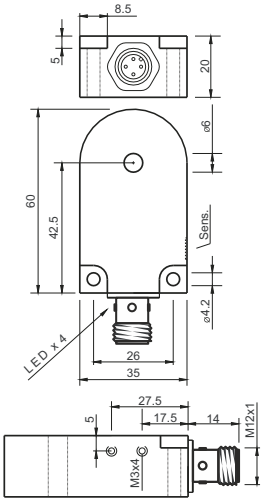
NEW



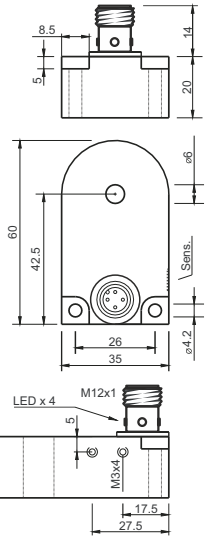
Ø 10 mm - static
Ø 10 mm - statisch
Ø 1.5 mm



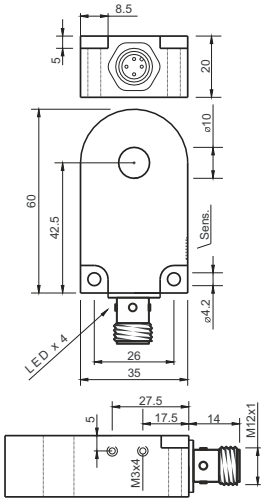
Static
Statisch



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
Part Number | **Artikelnummer**				
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



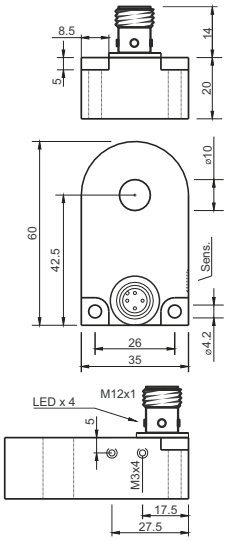
Ø 21 mm - static
Ø 21 mm - statisch

Ø 2.8 mm

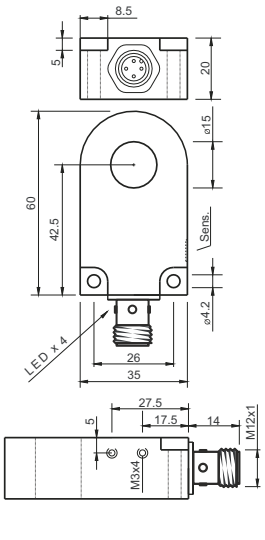
NEW



Static
Statisch



Static
Statisch



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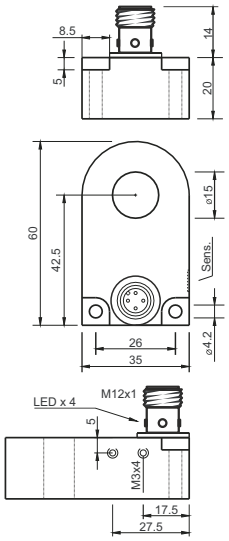
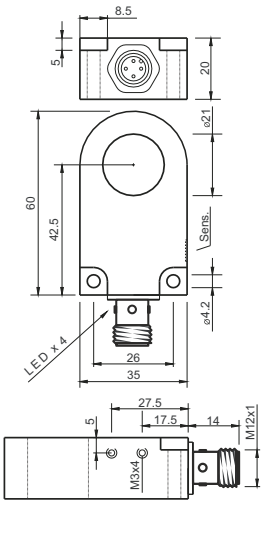
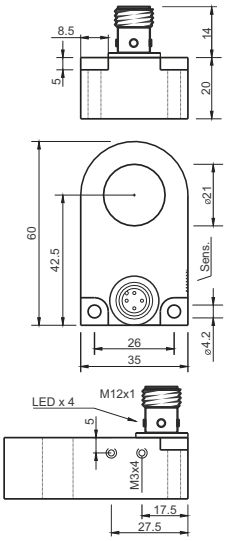
Statisch



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	built-in - self resetting	built-in - self resetting	built-in - self resetting	built-in - self resetting
- | 45 mS (147 ft/s)	- | 40 mS (131 ft/s)	- | 40 mS (131 ft/s)	- | 35 mS (115 ft/s)	- | 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

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XECROSENSORS

INDUCTIVE CAPACITIVE OPTOELECTRONICS TOUCH 'N INDICATORS

TWO-WIRE

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

Complete data sheets can be found on http://xecro.com

Vollständige Datenblätter stehen auf http://xecro.com zur Verfügung

2-WIRE CONNECTED

Inductive Sensors



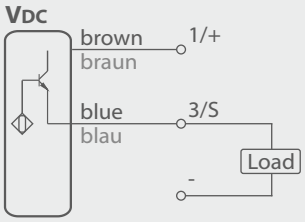
Caution

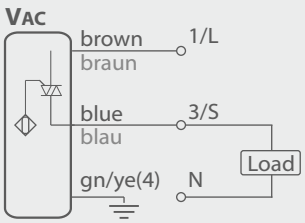
all devices from this section may not be used if the safety of persons rely on their faultless function!

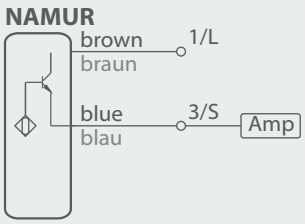
Achtung

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

CONNECTION





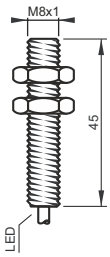


INDUCTIVE

Shielded
Bündig
M8 - 1 mm



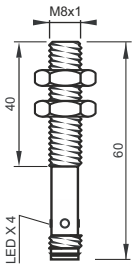
Standard



Shielded
Bündig
M8 - 1 mm



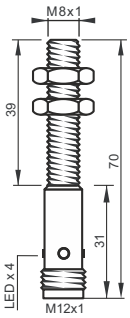
Standard



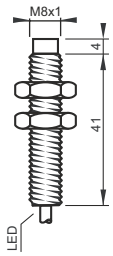
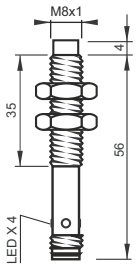
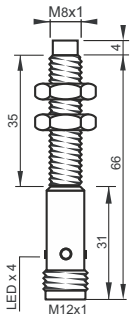
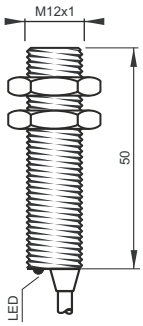
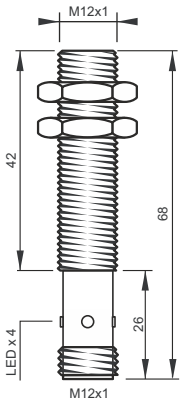
Shielded
Bündig
M8 - 1 mm



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
Part Number | **Artikelnummer**				
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	Unshielded Nicht bündig	Unshielded Nicht bündig	Shielded Bündig	Shielded Bündig
M8 - 2 mm	**M8 - 2 mm**	**M8 - 2 mm**	**M12 - 2 mm**	**M12 - 2 mm**
				
Standard	Standard	Standard	Standard	Standard
				

M8x1	M8x1	M8x1	M12x1	M12x1
2 mm	2 mm	2 mm	2 mm	2 mm
10…55 Vdc	10…55 Vdc	10…55 Vdc	10…55 Vdc	10…55 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	Brass Messing	Brass Messing
PVC, Ultra-Flex	Conn. M8 Stecker M8	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
IPS8-N2DO45-A2P	IPS8-N2DO60-A8	IPS8-N2DO70-A12	IPS12-S2DO50-A2P	IPS12-S2DO68-A12
IPS8-N2DC45-A2P	IPS8-N2DC60-A8	IPS8-N2DC70-A12	IPS12-S2DC50-A2P	IPS12-S2DC68-A12

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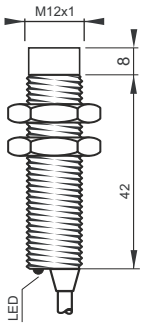
INDUCTIVE

Unshielded
Nicht bündig
M12 - 4 mm



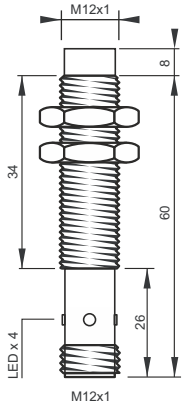
Standard



Unshielded
Nicht bündig
M12 - 4 mm



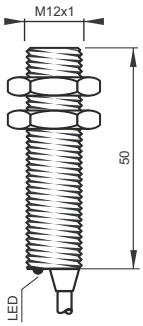
Standard



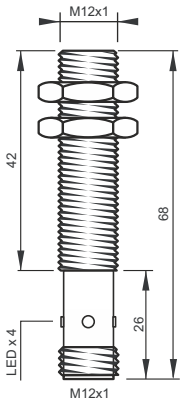
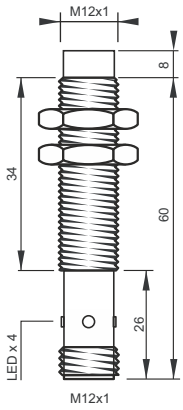
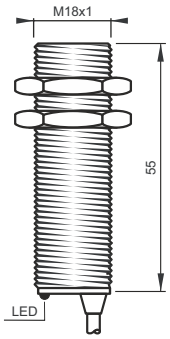
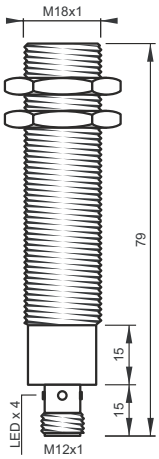
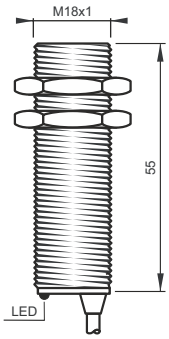
Shielded
Bündig
M12 - 4 mm



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	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
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**	Unshielded Nicht bündig **M12 - 8 mm**	Shielded Bündig **M18 - 5 mm**	Shielded Bündig **M18 - 5 mm**	Shielded Bündig **M18 - 8 mm**
				
Increased Erhöht	Increased Erhöht	Standard	Standard	Increased Erhöht
				

M12x1	**M12x1**	**M18x1**	**M18x1**	**M18x1**
4 mm	8 mm	5 mm	5 mm	8 mm
10…55 VDC	10…55 VDC	10…55 VDC	10…55 VDC	10…55 VDC
200 mA	200 mA	200 mA	200 mA	200 mA
1000 Hz	500 Hz	1000 Hz	1000 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. M12 Stecker M12	Conn. M12 Stecker M12	PVC, Ultra-Flex	Conn. M12 Stecker M12	PVC, Ultra-Flex
built-in Integriert	built-in Integriert	built-in Integriert	built-in Integriert	built-in Integriert
IPS12-S4DO68-A12	IPS12-N8DO68-A12	IPS18-S5DO55-A2P	IPS18-S5DO79-A12	IPS18-S8DO55-A2P
IPS12-S4DC68-A12	IPS12-N8DC68-A12	IPS18-S5DC55-A2P	IPS18-S5DC79-A12	IPS18-S8DC55-A2P

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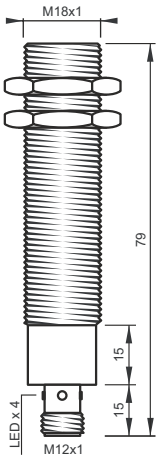
INDUCTIVE

Shielded
Bündig
M18 - 8 mm



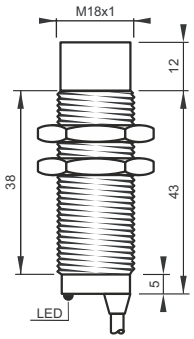
Increased
Erhöht



Unshielded
Nicht bündig
M18 - 8 mm



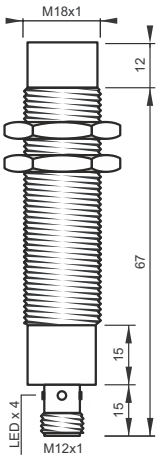
Standard



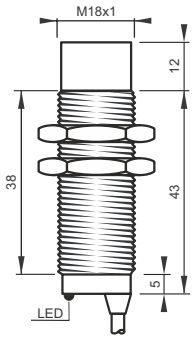
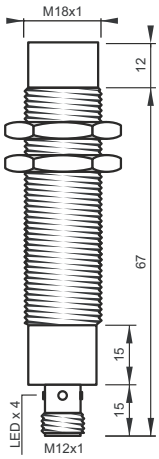
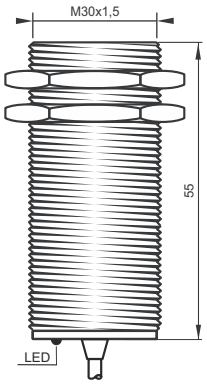
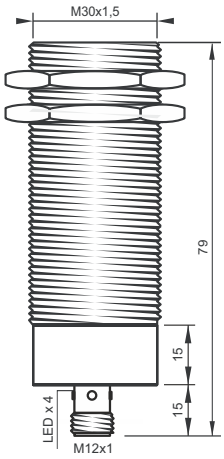
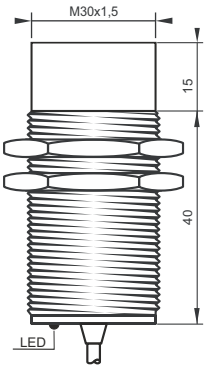
Unshielded
Nicht bündig
M18 - 8 mm



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
Part Number | **Artikelnummer**							
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	Unshielded Nicht bündig	Shielded Bündig	Shielded Bündig	Unshielded Nicht bündig
M18 - 16 mm	**M18 - 16 mm**	**M30 - 10 mm**	**M30 - 10 mm**	**M30 - 15 mm**
				
Increased Erhöht	Increased Erhöht	Standard	Standard	Standard
				

M18x1	**M18x1**	**M30x1.5**	**M30x1.5**	**M30x1.5**
16 mm	16 mm	10 mm	10 mm	15 mm
10…55 VDC	10…55 VDC	10…55 VDC	10…55 VDC	10…55 VDC
200 mA	200 mA	200 mA	200 mA	200 mA
150 Hz	150 Hz	300 Hz	300 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	PVC, Ultra-Flex	Conn. M12 Stecker M12	PVC, Ultra-Flex
built-in Integriert	built-in Integriert	built-in Integriert	built-in Integriert	built-in Integriert
IPS18-N16DO55-A2P	IPS18-N16DO79-A12	IPS30-S10DO55-A2P	IPS30-S10DO79-A12	IPS30-N15DO55-A2P
IPS18-N16DC55-A2P	IPS18-N16DC79-A12	IPS30-S10DC55-A2P	IPS30-S10DC79-A12	IPS30-N15DC55-A2P

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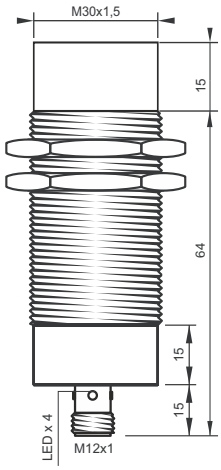
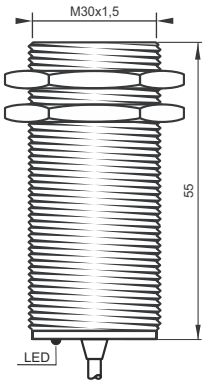
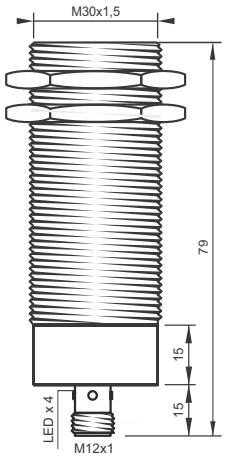
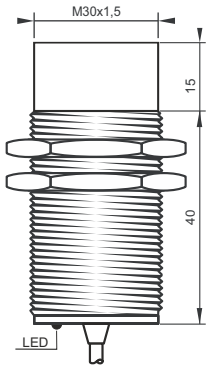
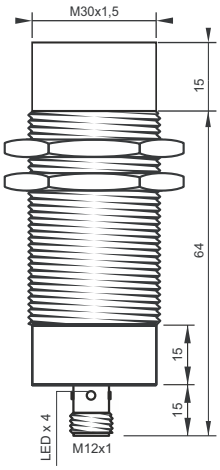
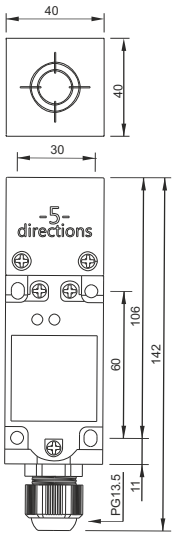
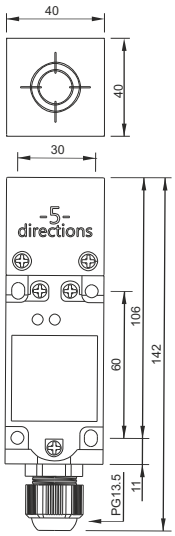
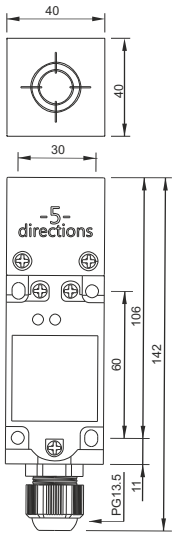
INDUCTIVE

Unshielded Nicht bündig	Shielded Bündig	Shielded Bündig
M30 - 15 mm	**M30 - 16 mm**	**M30 - 16 mm**
		
Standard	Increased Erhöht	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
Part Number | **Artikelnummer**							
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**	Unshielded Nicht bündig **M30 - 25 mm**	Shielded Bündig **40x40 - 15mm**	Shielded Bündig **40x40 - 20mm**	Unshielded Nicht bündig **40x40 - 30mm**
				
Increased Erhöht	Increased Erhöht	Standard	Increased Erhöht	Increased Erhöht
				

M30x1.5	**M30x1.5**	**40x40 mm**	**40x40 mm**	**40x40 mm**
25 mm	25 mm	15 mm	20 mm	30 mm
10…55 VDC	10…55 VDC	10…55 VDC	10…55 VDC	10…55 VDC
200 mA	200 mA	200 mA	200 mA	200 mA
100 Hz	100 Hz	120 Hz	120 Hz	120 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	PBT	PBT	PBT
PVC, Ultra-Flex	Conn. M12 Stecker M12	Terminal Klemme	Terminal Klemme	Terminal Klemme
built-in Integriert	built-in Integriert	built-in Integriert	built-in Integriert	built-in Integriert
IPS30-N25DO55-A2P	IPS30-N25DO79-A12	IPS40-S15DOL-PG13	IPS40-S20DOL-PG13	IPS40-N30DOL-PG13
IPS30-N25DC55-A2P	IPS30-N25DC79-A12	IPS40-S15DCL-PG13	IPS40-S20DCL-PG13	IPS40-N30DCL-PG13

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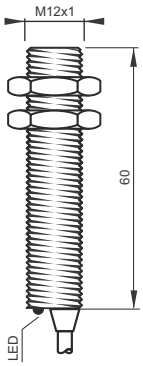
INDUCTIVE

Shielded
Bündig
M12 - 2 mm



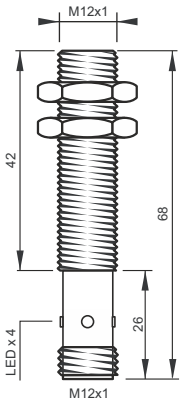
Standard



Shielded
Bündig
M12 - 2 mm



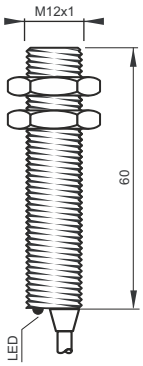
Standard



Shielded
Bündig
M12 - 4 mm



Increased
Erhöht

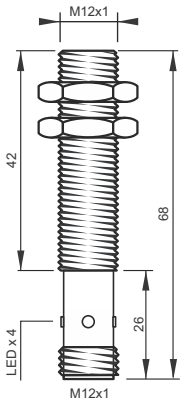


Housing	**Bauform**	**M12x1**	**M12x1**	**M12x1**
Sensing Distance	Schaltabstand	2 mm	2 mm	4 mm
Operating Voltage	Betriebsspannung	20… 250 VAC	20… 250 VAC	20… 250 VAC
Current Load Capability	Ausgangsbelastbarkeit	400 mA	400 mA	400 mA
Switching Frequency	Schaltfrequenz	25 Hz	25 Hz	25 Hz
Operating Temperature	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
Part Number | Artikelnummer				
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

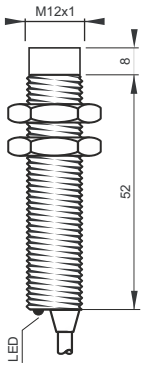


M12x1	
4 mm	
20… 250 VAC	
400 mA	
25 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
Conn. M12	Stecker M12
built-in	Integriert
IPS12-S4AO68-A12	
IPS12-S4AC68-A12	

Unshielded
Nicht bündig
M12 - 4 mm



Standard

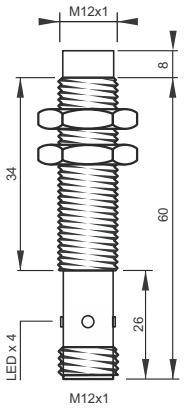


M12x1	
4 mm	
20… 250 VAC	
400 mA	
25 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
PVC, Ultra-Flex	
built-in	Integriert
IPS12-N4AO60-A2P	
IPS12-N4AC60-A2P	

Unshielded
Nicht bündig
M12 - 4 mm



Standard

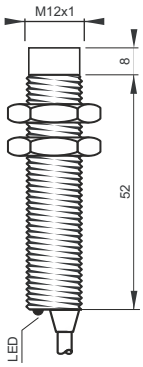


M12x1	
4 mm	
20… 250 VAC	
400 mA	
25 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
Conn. M12	Stecker M12
built-in	Integriert
IPS12-N4AO68-A12	
IPS12-N4AC68-A12	

Unshielded
Nicht bündig
M12 - 8 mm



Increased
Erhöht

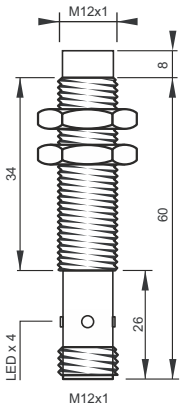


M12x1	
8 mm	
20… 250 VAC	
400 mA	
25 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
PVC, Ultra-Flex	
built-in	Integriert
IPS12-N8AO60-A2P	
IPS12-N8AC60-A2P	

Unshielded
Nicht bündig
M12 - 8 mm



Increased
Erhöht



M12x1	
8 mm	
20… 250 VAC	
400 mA	
25 Hz	
-25…75 °C	
IP67	
PBT	
Brass	Messing
Conn. M12	Stecker M12
built-in	Integriert
IPS12-N8AO68-A12	
IPS12-N8AC68-A12	

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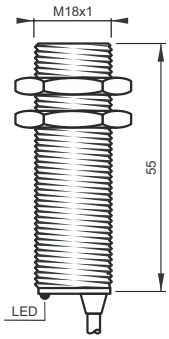
INDUCTIVE

Shielded
Bündig
M18 - 5 mm



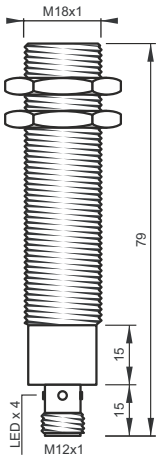
Standard



Shielded
Bündig
M18 - 5 mm



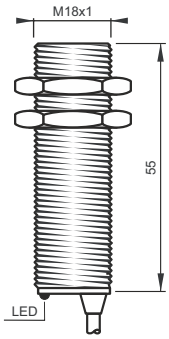
Standard



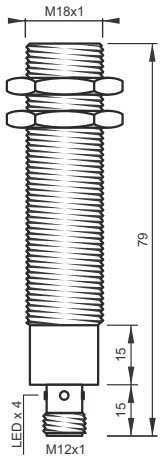
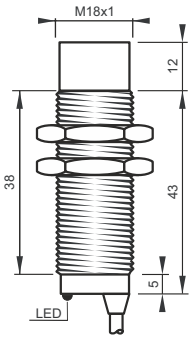
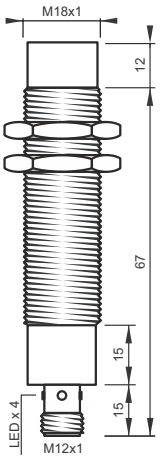
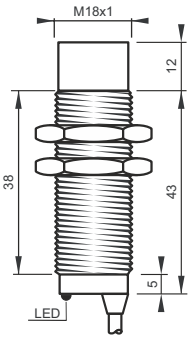
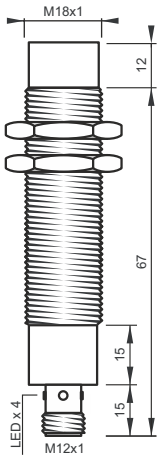
Shielded
Bündig
M18 - 8 mm



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
Part Number | Artikelnummer				
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	Unshielded Nicht bündig	Unshielded Nicht bündig	Unshielded Nicht bündig	Unshielded Nicht bündig
M18 - 8 mm	**M18 - 8 mm**	**M18 - 8 mm**	**M18 - 16 mm**	**M18 - 16 mm**
				
Increased Erhöht	Standard	Standard	Standard	Increased Erhöht
				

M18x1	**M18x1**	**M18x1**	**M18x1**	**M18x1**
8 mm	8 mm	8 mm	16 mm	16 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
IPS18-S8AO79-A12	IPS18-N8AO55-A2P	IPS18-N8AO79-A12	IPS18-N16AO55-A2P	IPS18-N16AO79-A12
IPS18-S8AC79-A12	IPS18-N8AC55-A2P	IPS18-N8AC79-A12	IPS18-N16AC55-A2P	IPS18-N16AC79-A12

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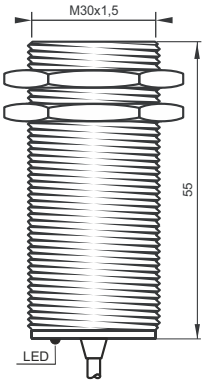
INDUCTIVE

Shielded
Bündig
M30 - 10 mm



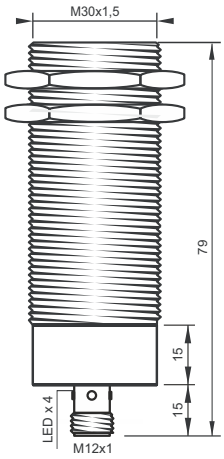
Standard



Shielded
Bündig
M30 - 10 mm



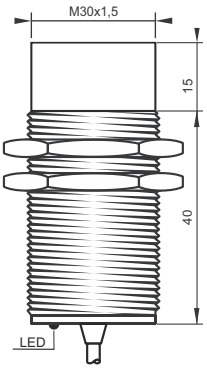
Standard



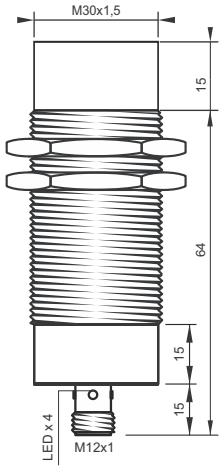
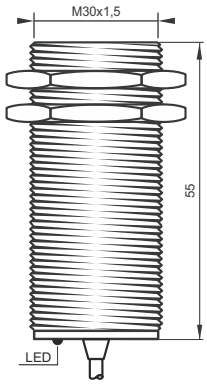
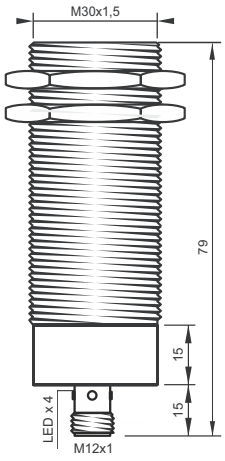
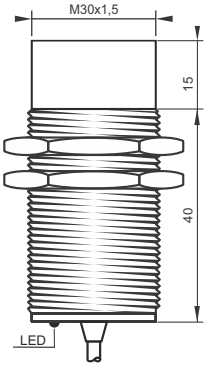
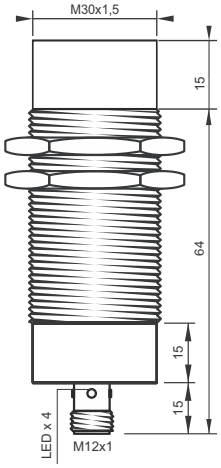
Unshielded
Nicht bündig
M30 - 15 mm



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
Part Number | Artikelnummer				
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	Shielded Bündig	Shielded Bündig	Unshielded Nicht bündig	Unshielded Nicht bündig
M30 - 15 mm	**M30 - 16 mm**	**M30 - 16 mm**	**M30 - 25 mm**	**M30 - 25 mm**
				
Standard	Increased Erhöht	Increased Erhöht	Increased Erhöht	Increased Erhöht
				

M30x1	**M30x1**	**M30x1**	**M30x1**	**M30x1**
15 mm	16 mm	16 mm	25 mm	25 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
IPS30-N15AO79-A12	IPS30-S16AO55-A2P	IPS30-S16AO79-A12	IPS30-N25AO55-A2P	IPS30-N25AO79-A12
IPS30-N15AC79-A12	IPS30-S16AC55-A2P	IPS30-S16AC79-A12	IPS30-N25AC55-A2P	IPS30-N25AC79-A12

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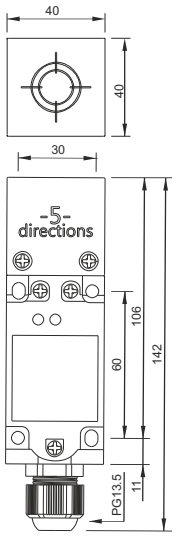
INDUCTIVE

Shielded
Bündig
40x40 - 15mm



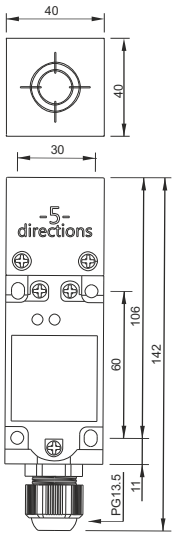
Standard



Shielded
Bündig
40x40 - 20mm



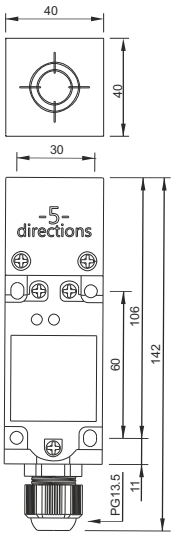
Increased
Erhöht



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
Part Number | **Artikelnummer**							
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	

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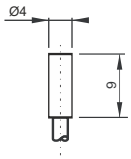
INDUCTIVE

Shielded
Bündig
Ø4 - 0.8 mm

NEW



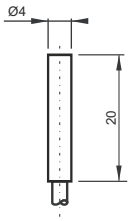
Standard



Shielded
Bündig
Ø4 - 0.8 mm



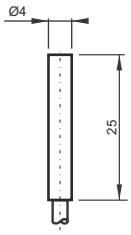
Standard



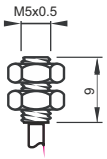
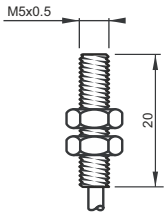
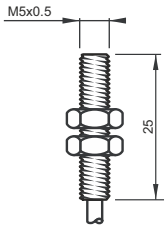
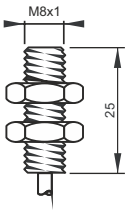
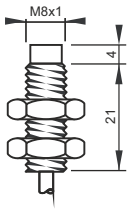
Shielded
Bündig
Ø4 - 0.8 mm



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
Part Number | Artikelnummer				
	NAMUR	IPSD4-S08NA9-N2P	IPSD4-S08NA20-N2P	IPSD4-S08NA25-N2P

Shielded Bündig **M5 - 0.8 mm**	Shielded Bündig **M5 - 0.8 mm**	Shielded Bündig **M5 - 0.8 mm**	Shielded Bündig **M8 - 1 mm**	Unshielded Nicht bündig **M8 - 2 mm**
				
Standard	Standard	Standard	Standard	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

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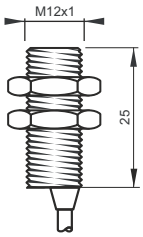
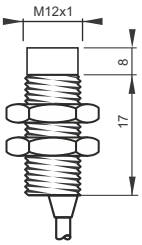
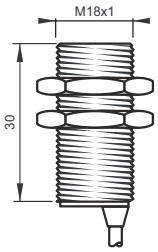
INDUCTIVE

Shielded Bündig **M12 - 2 mm**	Unshielded Nicht bündig **M12 - 4 mm**	Shielded Bündig **M18 - 5 mm**
		
Standard	Standard	Standard
		

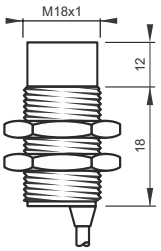
Housing	**Bauform**	**M12**	**M12**	**M18**
Sensing Distance	Schaltabstand	2 mm	4 mm	5 mm
Operating Voltage	Betriebsspannung	6… 12 VDC	6… 12 VDC	6… 12 VDC
Off-State Current	Strom unbedämpft	< 1.1 mA	< 1.1 mA	< 1.1 mA
Switching Frequency	Schaltfrequenz	1000 Hz	500 Hz	500 Hz
Operating Temperature	Betriebstemperatur	-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
Part Number | **Artikelnummer**				
	NAMUR	IPS12-S2NA25-N2P	IPS12-N4NA25-N2P	IPS18-S5NA30-N2P

Unshielded
Nicht bündig

M18 - 8 mm



Standard

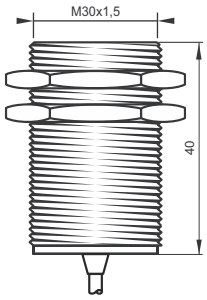


Shielded
Bündig

M30 - 10 mm



Standard

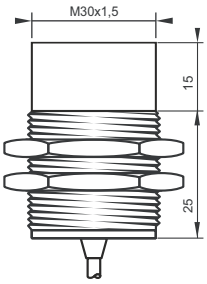


Unshielded
Nicht bündig

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	

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XECRO SENSORS

INDUCTIVE CAPACITIVE OPTOELECTRONICS TOUCH 'N INDICATORS

HIGH PRESSURE

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

Complete data sheets can be found on http://xecro.com
Vollständige Datenblätter stehen auf http://xecro.com zur Verfügung



HIGH PRESSURE

Inductive Sensors

Caution

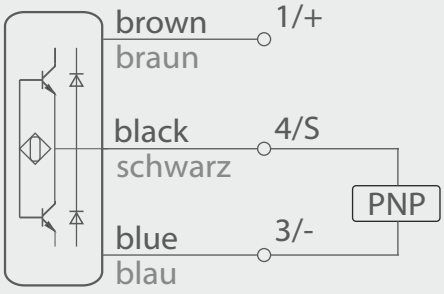
all devices from this section may not be used if the safety of persons rely on their faultless function!

Achtung

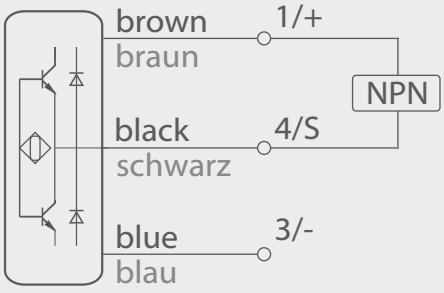
alle Geräte in diesem Abschnitt dürfen nicht verwendet werden, wenn die Sicherheit von Personen von deren einwandfreier Funktion abhängig ist!

CONNECTION

PNP



NPN

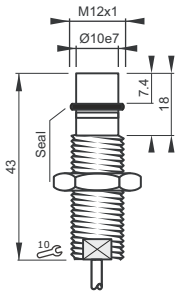


INDUCTIVE

Shielded
Bündig
M12 - 1.5 mm



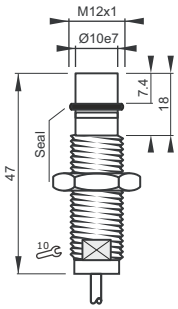
7251 PSI
500 bar



Shielded
Bündig
M12 - 1.5 mm



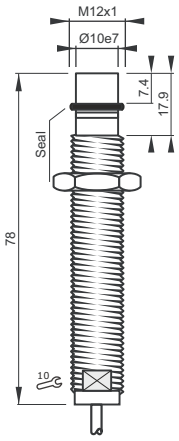
7251 PSI
500 bar



Shielded
Bündig
M12 - 1.5 mm



7251 PSI
500 bar

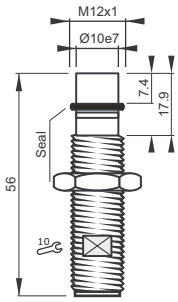


Housing	**Bauform**	**M12x1**	**M12x1**	**M12x1**
Sensing Distance	Schaltabstand	1.5 mm	1.5 mm	1.5 mm
Operating Voltage	Betriebsspannung	10…30 VDC	10…30 VDC	10…30 VDC
Current Load Capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA
Switching Frequency	Schaltfrequenz	1000 Hz	1000 Hz	1000 Hz
Operating 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
Part Number | **Artikelnummer**				
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



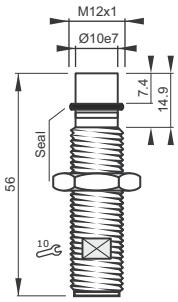
M12x1	
1.5 mm	
10…30 VDC	
200 mA	
1000 Hz	
-25…70 °C	
IP 69k, IP 67	
Ceramic	Keramik
Stainless Steel	Edelstahl
Conn. M12	Stecker M12
built-in	Integriert

IHP12-S1.5PO56-A12
IHP12-S1.5PC56-A12
IHP12-S1.5NO56-A12
IHP12-S1.5NC56-A12

Shielded
Bündig
M12 - 1.5 mm



7251 PSI
500 bar



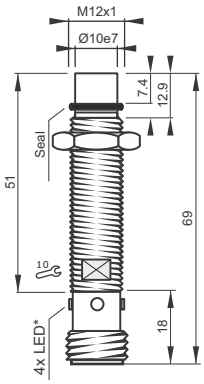
M12x1	
1.5 mm	
10…30 VDC	
200 mA	
1000 Hz	
-25…70 °C	
IP 69k, IP 67	
Ceramic	Keramik
Stainless Steel	Edelstahl
Conn. M12	Stecker M12
built-in	Integriert

IHP12-S1.5PO57-A12
IHP12-S1.5PC57-A12
IHP12-S1.5NO57-A12
IHP12-S1.5NC57-A12

Shielded
Bündig
M12 - 1.5 mm



7251 PSI
500 bar



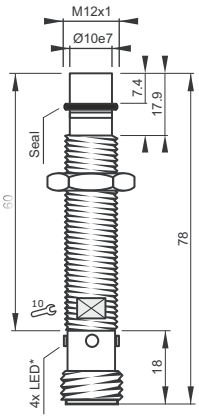
M12x1	
1.5 mm	
10…30 VDC	
200 mA	
1000 Hz	
-25…70 °C	
IP 69k, IP 67	
Ceramic	Keramik
Stainless Steel	Edelstahl
Conn. M12	Stecker M12
built-in	Integriert

IHP12-S1.5PO69-A12
IHP12-S1.5PC69-A12
IHP12-S1.5NO69-A12
IHP12-S1.5NC69-A12

Shielded
Bündig
M12 - 1.5 mm



7251 PSI
500 bar



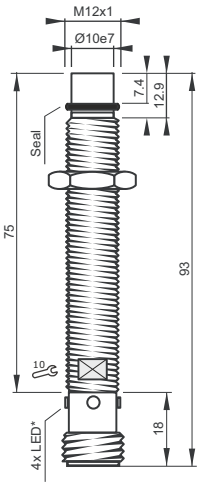
M12x1	
1.5 mm	
10…30 VDC	
200 mA	
1000 Hz	
-25…70 °C	
IP 69k, IP 67	
Ceramic	Keramik
Stainless Steel	Edelstahl
Conn. M12	Stecker M12
built-in	Integriert

IHP12-S1.5PO78-A12
IHP12-S1.5PC78-A12
IHP12-S1.5NO78-A12
IHP12-S1.5NC78-A12

Shielded
Bündig
M12 - 1.5 mm



7251 PSI
500 bar



M12x1	
1.5 mm	
10…30 VDC	
200 mA	
1000 Hz	
-25…70 °C	
IP 69k, IP 67	
Ceramic	Keramik
Stainless Steel	Edelstahl
Conn. M12	Stecker M12
built-in	Integriert

IHP12-S1.5PO93-A12
IHP12-S1.5PC93-A12
IHP12-S1.5NO93-A12
IHP12-S1.5NC93-A12

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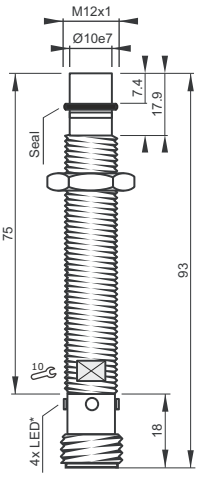
INDUCTIVE

Shielded
Bündig
M12 - 1.5 mm



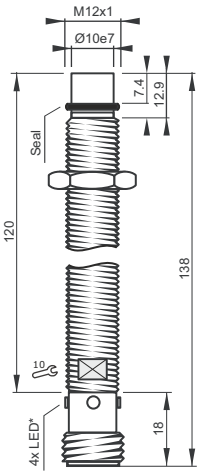
7251 PSI
500 bar



Shielded
Bündig
M12 - 1.5 mm



7251 PSI
500 bar

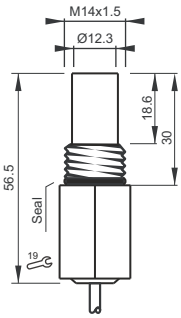


Shielded
Bündig
M14 - 3 mm

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**

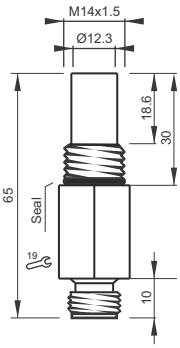
PNP, NO - 10… 30 VDC		IHP12-S1.5PO94-A12	IHP12-S1.5PO138-A12	IHP14-S3PO56-N2P
PNP, NC - 10… 30 VDC		IHP12-S1.5PC94-A12	IHP12-S1.5PC138-A12	IHP14-S3PC56-N2P
NPN, NO - 10… 30 VDC		IHP12-S1.5NO94-A12	IHP12-S1.5NO138-A12	IHP14-S3NO56-N2P
NPN, NC - 10… 30 VDC		IHP12-S1.5NC94-A12	IHP12-S1.5NC138-A12	IHP14-S3NC56-N2P

Shielded
Bündig
M14 - 3 mm

NEW



7251 PSI
500 bar



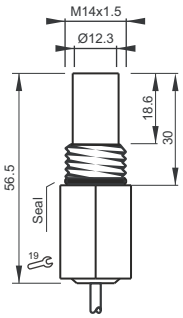
M14x1.5	
3 mm	
10…30 VDC	
200 mA	
1000 Hz	
-25…70 °C	
IP 69k, IP 67	
Ceramic	Keramik
Stainless Steel	Edelstahl
Conn. M12	Stecker M12
None	Keine
IHP14-S3PO65-N12	
IHP14-S3PC65-N12	
IHP14-S3NO65-N12	
IHP14-S3NC65-N12	

Shielded
Bündig
M14 - 3 mm

NEW



14503 PSI
1000 bar



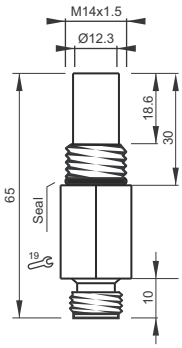
M14x1.5	
3 mm	
10…30 VDC	
200 mA	
500 Hz	
-25…70 °C	
IP 69k, IP 67	
Stainless Steel	Edelstahl
Stainless Steel	Edelstahl
PVC, Ultra-Flex	
None	Keine
IHP14-S3PO56S-N2P	
IHP14-S3PC56S-N2P	
IHP14-S3NO56S-N2P	
IHP14-S3NC56S-N2P	

Shielded
Bündig
M14 - 3 mm

NEW



14503 PSI
1000 bar



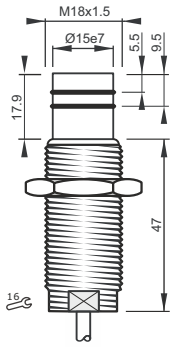
M14x1.5	
3 mm	
10…30 VDC	
200 mA	
500 Hz	
-25…70 °C	
IP 69k, IP 67	
Stainless Steel	Edelstahl
Stainless Steel	Edelstahl
Conn. M12	Stecker M12
None	Keine
IHP14-S3PO65S-N12	
IHP14-S3PC65S-N12	
IHP14-S3NO65S-N12	
IHP14-S3NC65S-N12	

Shielded
Bündig
M18 - 3 mm

NEW



14503 PSI
1000 bar



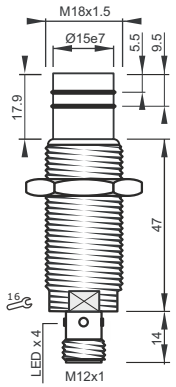
M18x1.5	
3 mm	
10…30 VDC	
200 mA	
300 Hz	
-25…70 °C	
IP 69k, IP 67	
Stainless Steel	Edelstahl
Stainless Steel	Edelstahl
PVC, Ultra-Flex	
None	Keine
IHP18-S3PO65S-A2P	
IHP18-S3PC65S-A2P	
IHP18-S3NO65S-A2P	
IHP18-S3NC65S-A2P	

Shielded
Bündig
M18 - 3 mm

NEW



14503 PSI
1000 bar



M18x1.5	
3 mm	
10…30 VDC	
200 mA	
300 Hz	
-25…70 °C	
IP 69k, IP 67	
Stainless Steel	Edelstahl
Stainless Steel	Edelstahl
Conn. M12	Stecker M12
None	Keine
IHP18-S3PO79S-N12	
IHP18-S3PC79S-N12	
IHP18-S3NO79S-N12	
IHP18-S3NC79S-N12	

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XECRO SENSORS

INDUCTIVE CAPACITIVE OPTOELECTRONICS TOUCH 'N INDICATORS

HIGH TEMPERATURE

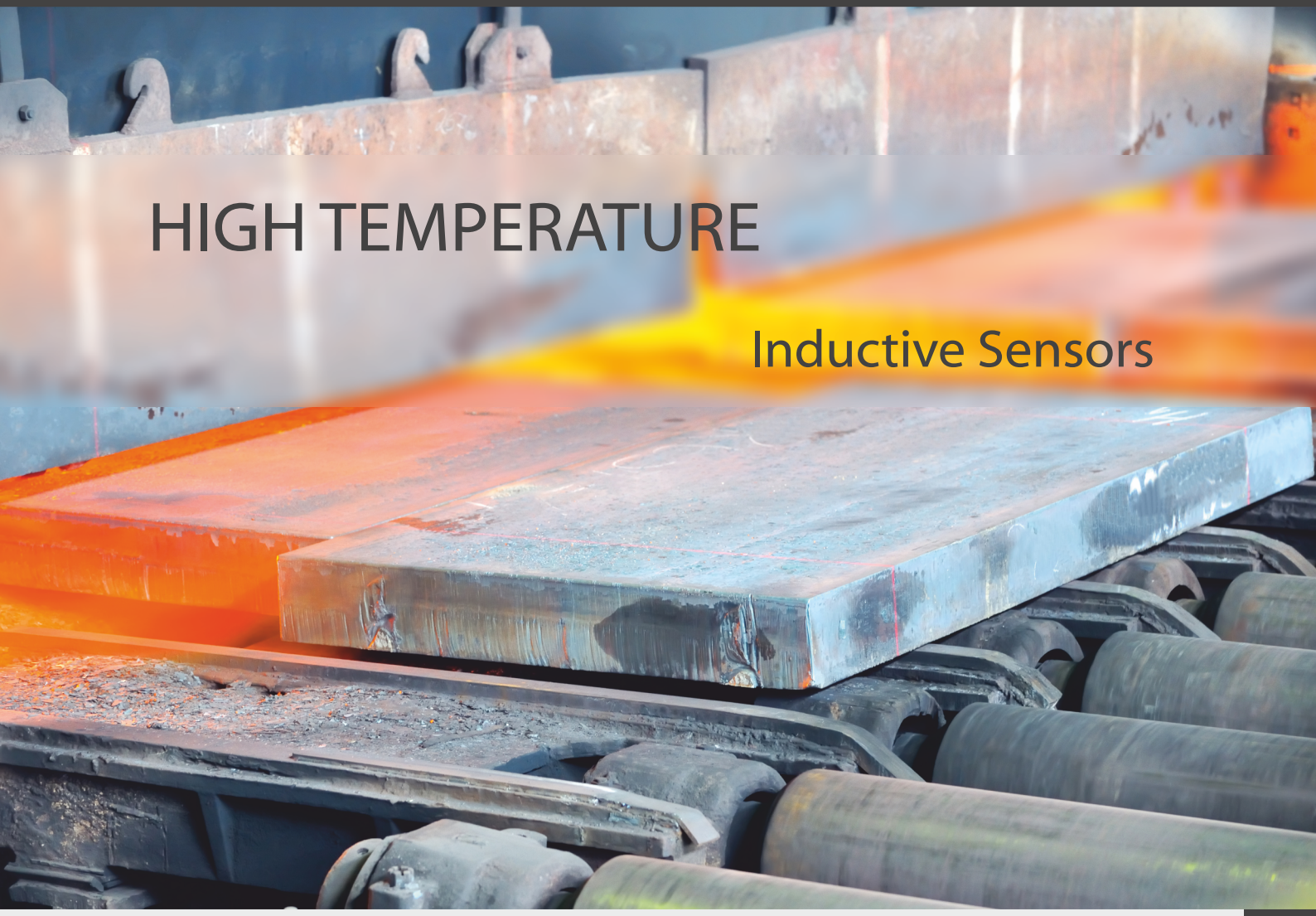
TOP BENEFITS

- 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

Complete data sheets can be found on http://xecro.com
Vollständige Datenblätter stehen auf http://xecro.com zur Verfügung



HIGH TEMPERATURE

Inductive Sensors

Caution

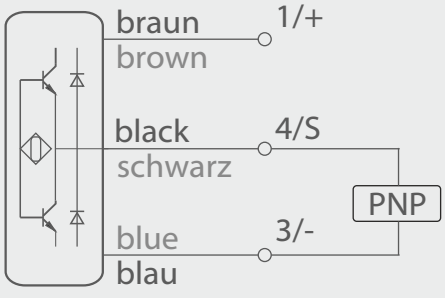
all devices from this section may not be used if the safety of persons rely on their faultless function!

Achtung

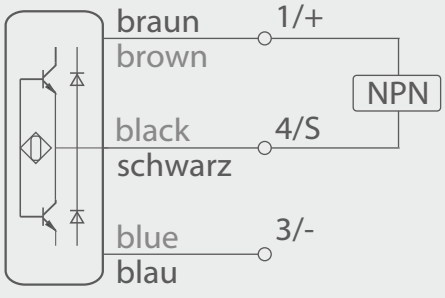
alle Geräte in diesem Abschnitt dürfen nicht verwendet werden, wenn die Sicherheit von Personen von deren einwandfreier Funktion abhängig ist!

CONNECTION

PNP



NPN

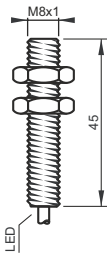


INDUCTIVE

Shielded
Bündig
M8 - 2 mm



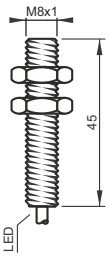
120 °C



Shielded
Bündig
M8 - 2 mm



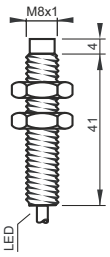
120 °C



Unshielded
Nicht bündig
M8 - 4 mm

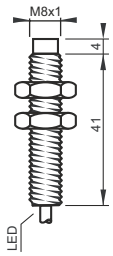
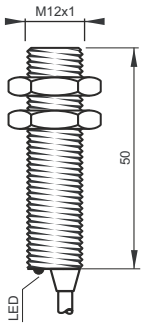
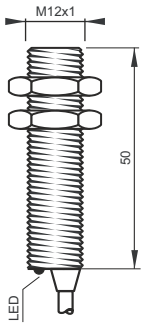
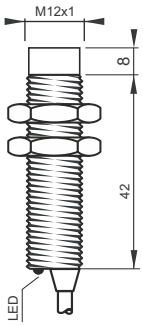
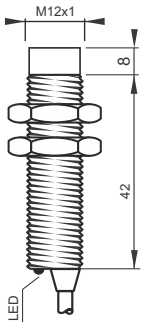


120 °C



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	Shielded Bündig	Shielded Bündig	Unshielded Nicht bündig	Unshielded Nicht bündig
M8 - 4 mm	**M12 - 2 mm**	**M12 - 2 mm**	**M12 - 4 mm**	**M12 - 4 mm**
				
120 °C	120 °C	120 °C	120 °C	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 Silikon	PTFE	Silicone Silikon	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

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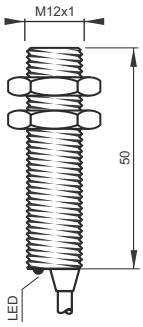
INDUCTIVE

Shielded
Bündig
M12 - 4 mm



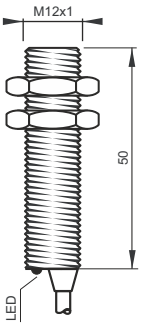
120 °C



Shielded
Bündig
M12 - 4 mm



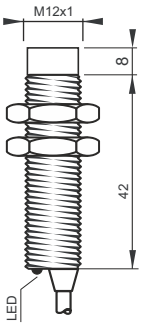
120 °C



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

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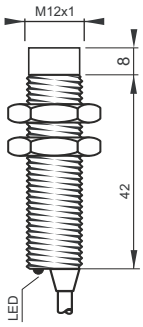
Nur zur mechanischen Justage – bei Temperaturen über 120°C kann die LED ausfallen; LED Funktionalität nicht durch Garantie gedeckt.

Unshielded
Nicht bündig
M12 - 8 mm



120 °C



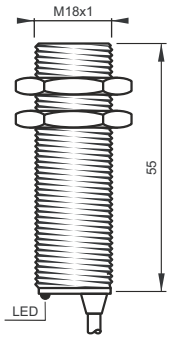
M12x1	
8 mm	
10…30 VDC	
200 mA	
500 Hz	
-25…+120 °C	
IP 67	
PTFE	
Stainless Steel	Edelstahl
PTFE	
* built-in	* Integriert

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

Shielded
Bündig
M18 - 5 mm



120 °C



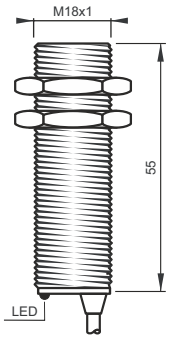
M18x1	
5 mm	
10…30 VDC	
200 mA	
500 Hz	
-25…+120 °C	
IP 67	
PTFE	
Stainless Steel	Edelstahl
Silicone	Silikon
* built-in	* Integriert

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

Shielded
Bündig
M18 - 5 mm



120 °C



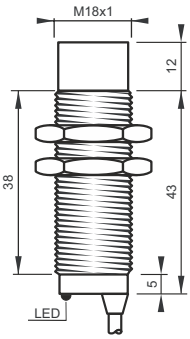
M18x1	
5 mm	
10…30 VDC	
200 mA	
500 Hz	
-25…+120 °C	
IP 67	
PTFE	
Stainless Steel	Edelstahl
PTFE	
* built-in	* Integriert

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

Unshielded
Nicht bündig
M18 - 8 mm



120 °C



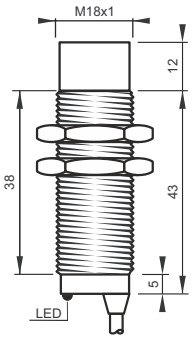
M18x1	
8 mm	
10…30 VDC	
200 mA	
500 Hz	
-25…+120 °C	
IP 67	
PTFE	
Stainless Steel	Edelstahl
Silicone	Silikon
* built-in	* Integriert

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

Unshielded
Nicht bündig
M18 - 8 mm



120 °C



M18x1	
8 mm	
10…30 VDC	
200 mA	
500 Hz	
-25…+120 °C	
IP 67	
PTFE	
Stainless Steel	Edelstahl
PTFE	
* built-in	* Integriert

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

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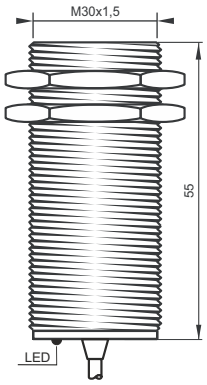
INDUCTIVE

Shielded
Bündig
M30 - 10 mm



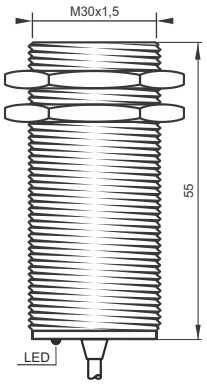
120 °C



Shielded
Bündig
M30 - 10 mm



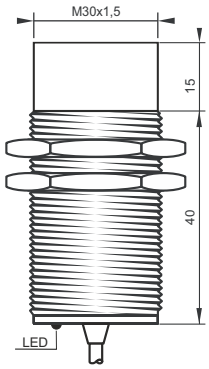
120 °C



Unshielded
Nicht bündig
M30 - 15 mm



120 °C



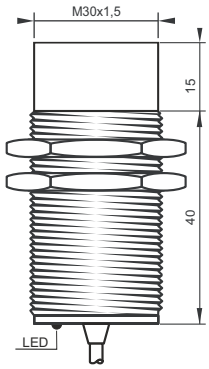
Housing	**Bauform**	**M30x1.5**	**M30x1.5**	**M30x1.5**
Sensing Distance	Schaltabstand	10 mm	10 mm	15 mm
Operating Voltage	Betriebsspannung	10…30 VDC	10…30 VDC	10…30 VDC
Current Load Capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA
Switching Frequency	Schaltfrequenz	200 Hz	200 Hz	200 Hz
Operating 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



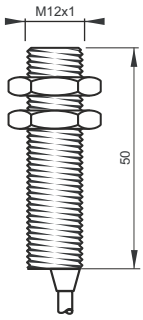
M30x1.5	
15 mm	
10…30 VDC	
200 mA	
200 Hz	
-25…+120 °C	
IP 67	
PTFE	
Stainless Steel	Edelstahl
PTFE	
* built-in	* Integriert

IHT30-N15APO55-A2T
IHT30-N15APC55-A2T
IHT30-N15ANO55-A2T
IHT30-N15ANC55-A2T

Shielded
Bündig
M12 - 2 mm



150 °C



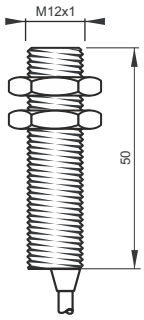
M12x1	
2 mm	
10…30 VDC	
200 mA	
800 Hz	
-25…+150 °C	
IP 67	
PTFE	
Stainless Steel	Edelstahl
Silicone	Silikon
On Request	Auf Anfrage

IHT12-S2BPO50-N2S
IHT12-S2BPC50-N2S
IHT12-S2BNO50-N2S
IHT12-S2BNC50-N2S

Shielded
Bündig
M12 - 2 mm



150 °C



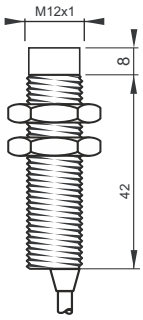
M12x1	
2 mm	
10…30 VDC	
200 mA	
800 Hz	
-25…+150 °C	
IP 67	
PTFE	
Stainless Steel	Edelstahl
PTFE	
On Request	Auf Anfrage

IHT12-S2BPO50-N2T
IHT12-S2BPC50-N2T
IHT12-S2BNO50-N2T
IHT12-S2BNC50-N2T

Unshielded
Nicht bündig
M12 - 4 mm



150 °C



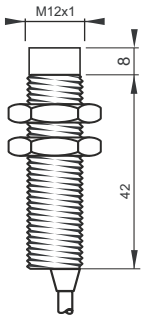
M12x1	
4 mm	
10…30 VDC	
200 mA	
500 Hz	
-25…+150 °C	
IP 67	
PTFE	
Stainless Steel	Edelstahl
Silicone	Silikon
On Request	Auf Anfrage

IHT12-N4BPO50-N2S
IHT12-N4BPC50-N2S
IHT12-N4BNO50-N2S
IHT12-N4BNC50-N2S

Unshielded
Nicht bündig
M12 - 4 mm



150 °C



M12x1	
4 mm	
10…30 VDC	
200 mA	
500 Hz	
-25…+150 °C	
IP 67	
PTFE	
Stainless Steel	Edelstahl
PTFE	
On Request	Auf Anfrage

IHT12-N4BPO50-N2T
IHT12-N4BPC50-N2T
IHT12-N4BNO50-N2T
IHT12-N4BNC50-N2T

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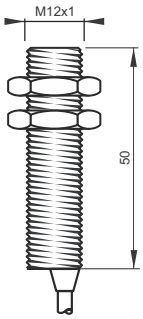
INDUCTIVE

Shielded
Bündig
M12 - 4 mm



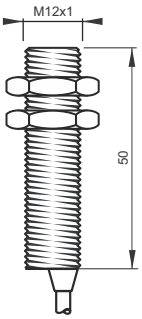
150 °C



Shielded
Bündig
M12 - 4 mm



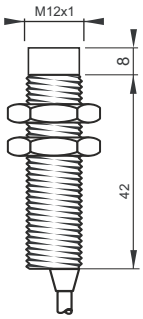
150 °C



Unshielded
Nicht bündig
M12 - 8 mm



150 °C



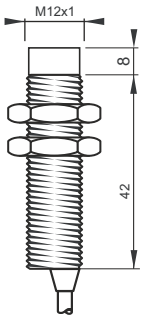
Housing	**Bauform**	**M12x1**	**M12x1**	**M12x1**
Sensing Distance	Schaltabstand	4 mm	4 mm	8 mm
Operating Voltage	Betriebsspannung	10…30 VDC	10…30 VDC	10…30 VDC
Current Load Capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA
Switching Frequency	Schaltfrequenz	500 Hz	500 Hz	300 Hz
Operating Temperature	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



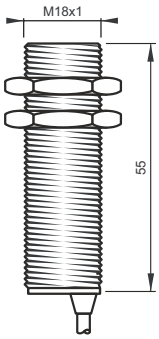
150 °C



Shielded
Bündig
M18 - 5 mm



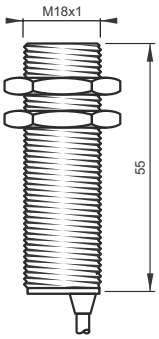
150 °C



Shielded
Bündig
M18 - 5 mm



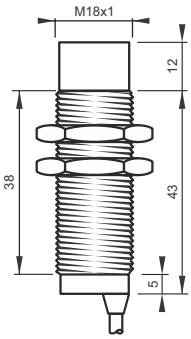
150 °C



Unshielded
Nicht bündig
M18 - 8 mm



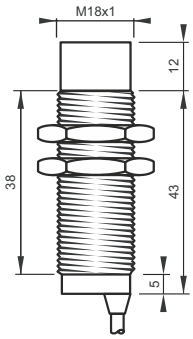
150 °C



Unshielded
Nicht bündig
M18 - 8 mm



150 °C



M12x1	**M18x1**	**M18x1**	**M18x1**	**M18x1**
8 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
300 Hz	500 Hz	500 Hz	500 Hz	500 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
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	On Request Auf Anfrage	On Request Auf Anfrage	On Request Auf Anfrage	On Request Auf Anfrage
IHT12-N8BPO50-N2T	IHT18-S5BPO55-N2S	IHT18-S5BPO55-N2T	IHT18-N8BPO55-N2S	IHT18-N8BPO55-N2T
IHT12-N8BPC50-N2T	IHT18-S5BPC55-N2S	IHT18-S5BPC55-N2T	IHT18-N8BPC55-N2S	IHT18-N8BPC55-N2T
IHT12-N8BNO50-N2T	IHT18-S5BNO55-N2S	IHT18-S5BNO55-N2T	IHT18-N8BNO55-N2S	IHT18-N8BNO55-N2T
IHT12-N8BNC50-N2T	IHT18-S5BNC55-N2S	IHT18-S5BNC55-N2T	IHT18-N8BNC55-N2S	IHT18-N8BNC55-N2T

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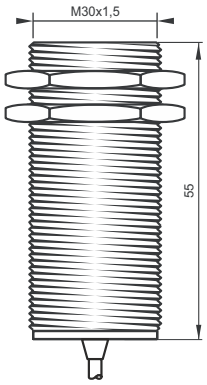
INDUCTIVE

Shielded
Bündig
M30 - 10 mm



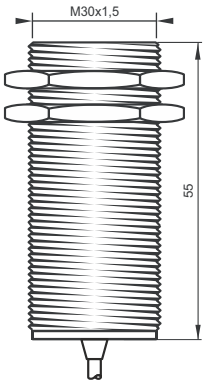
150 °C



Shielded
Bündig
M30 - 10 mm



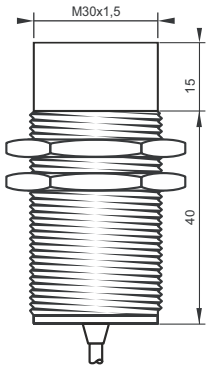
150 °C



Unshielded
Nicht bündig
M30 - 15 mm



150 °C



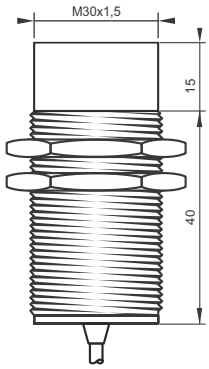
Housing	**Bauform**	**M30x1.5**	**M30x1.5**	**M30x1.5**
Sensing Distance	Schaltabstand	10 mm	10 mm	15 mm
Operating Voltage	Betriebsspannung	10…30 VDC	10…30 VDC	10…30 VDC
Current Load Capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA
Switching Frequency	Schaltfrequenz	500 Hz	200 Hz	200 Hz
Operating 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
Part Number | Artikelnummer				
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



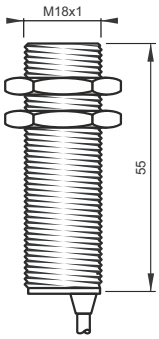
M30x1.5
15 mm
10…30 VDC
200 mA
200 Hz
-25…+150 °C
IP 67
PTFE
Stainless Steel Edelstahl
PTFE
On Request Auf Anfrage

IHT30-N15BPO55-N2T
IHT30-N15BPC55-N2T
IHT30-N15BNO55-N2T
IHT30-N15BNC55-N2T

Shielded
Bündig
M18 - 5 mm



180 °C



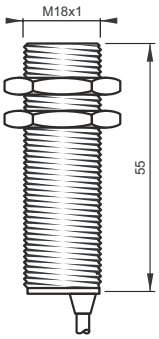
M18x1
5 mm
10…30 VDC
200 mA
500 Hz
-25…+180 °C
IP 67
PTFE
Stainless Steel Edelstahl
Silicone Silikon
-

IHT18-S5CPO55-N2S
IHT18-S5CPC55-N2S
IHT18-S5CNO55-N2S
IHT18-S5CNC55-N2S

Shielded
Bündig
M18 - 5 mm



180 °C



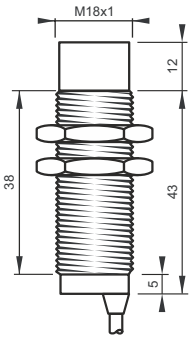
M18x1
5 mm
10…30 VDC
200 mA
500 Hz
-25…+180 °C
IP 67
PTFE
Stainless Steel Edelstahl
PTFE
-

IHT18-S5CPO55-N2T
IHT18-S5CPC55-N2T
IHT18-S5CNO55-N2T
IHT18-S5CNC55-N2T

Unshielded
Nicht bündig
M18 - 8 mm



180 °C



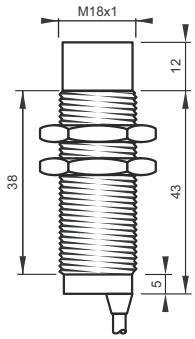
M18x1
8 mm
10…30 VDC
200 mA
500 Hz
-25…+180 °C
IP 67
PTFE
Stainless Steel Edelstahl
Silicone Silikon
-

IHT18-N8CPO55-N2S
IHT18-N8CPC55-N2S
IHT18-N8CNO55-N2S
IHT18-N8CNC55-N2S

Unshielded
Nicht bündig
M18 - 8 mm



180 °C



M18x1
8 mm
10…30 VDC
200 mA
500 Hz
-25…+180 °C
IP 67
PTFE
Stainless Steel Edelstahl
PTFE
-

IHT18-N8CPO55-N2T
IHT18-N8CPC55-N2T
IHT18-N8CNO55-N2T
IHT18-N8CNC55-N2T

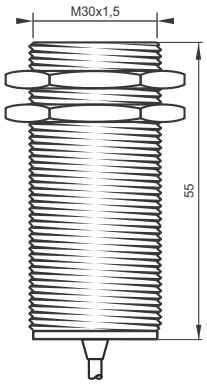
XECRO reserves the right to make minor changes without prior notification.
XECRO behält sich das Recht vor, geringfügige Anpassungen jederzeit durchzuführen.

INDUCTIVE

Shielded
Bündig
M30 - 10 mm



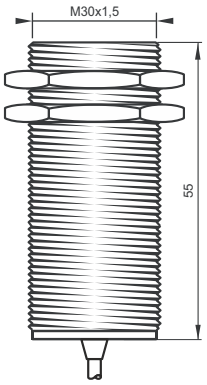
180 °C



Shielded
Bündig
M30 - 10 mm



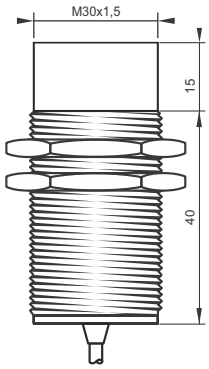
180 °C



Unshielded
Nicht bündig
M30 - 15 mm



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

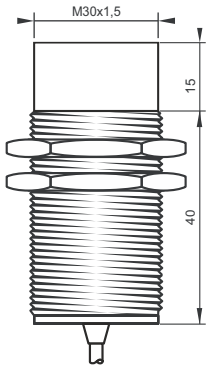
Only for mechanical set-up – LED may die if operated at temperatures beyond 120°C (250°F); LED functionality is not covered by warranty
Nur zur mechanischen Justage – bei Temperaturen über 120°C kann die LED ausfallen; LED Funktionalität nicht durch Garantie gedeckt.

Unshielded
Nicht bündig

M30 - 15 mm



180 °C



M30x1.5
15 mm
10…30 VDC
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

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XECRO SENSORS

INDUCTIVE CAPACITIVE OPTOELECTRONICS TOUCH 'N INDICATORS

WELD FIELD IMMUNE

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 Fehlauslösungen durch Metallspäne

Complete data sheets can be found on http://xecro.com
Vollständige Datenblätter stehen auf http://xecro.com zur Verfügung



WELD-FIELD-IMMUNE

Inductive Sensors

Caution

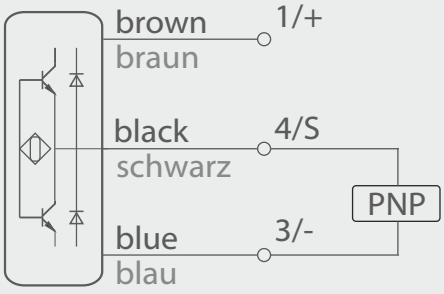
all devices from this section may not be used if the safety of persons rely on their faultless function!

Achtung

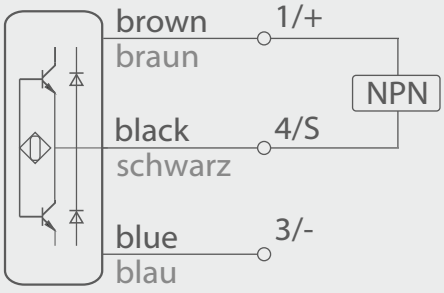
alle Geräte in diesem Abschnitt dürfen nicht verwendet werden, wenn die Sicherheit von Personen von deren einwandfreier Funktion abhängig ist!

CONNECTION

PNP



NPN



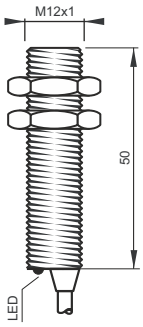
INDUCTIVE

Shielded
Bündig
M12 - 4 mm

NEW



Reduction Factor 1
Reduktionsfaktor 1

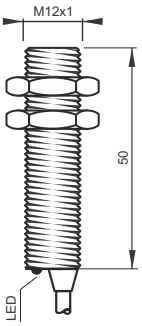


Shielded
Bündig
M12 - 4 mm

NEW



Reduction Factor 1
Reduktionsfaktor 1

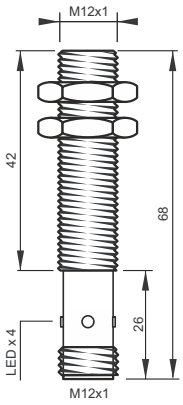


Shielded
Bündig
M12 - 4 mm

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	MFWI12-S4PO50-A2P	IWI12-S4PO68-A12
PNP, NC - 10… 30 VDC		IWI12-S4PC50-A2P	MFWI12-S4PC50-A2P	IWI12-S4PC68-A12
NPN, NO - 10… 30 VDC		IWI12-S4NO50-A2P	MFWI12-S4NO50-A2P	IWI12-S4NO68-A12
NPN, NC - 10… 30 VDC		IWI12-S4NC50-A2P	MFWI12-S4NC50-A2P	IWI12-S4NC68-A12

Other metal configuration on request
Andere Metallkombinationen auf Anfrage

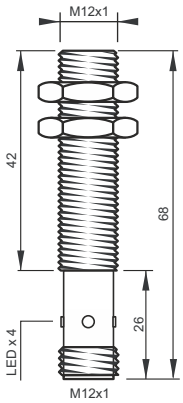
Shielded
Bündig

M12 - 4 mm

NEW



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

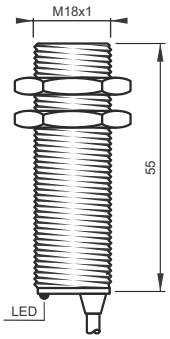
Shielded
Bündig

M18 - 7 mm

NEW



Reduction Factor 1
Reduktionsfaktor 1



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

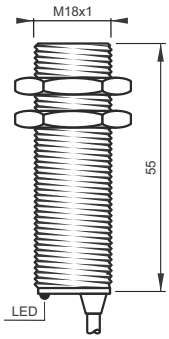
Shielded
Bündig

M18 - 7 mm

NEW



Reduction Factor 1
Reduktionsfaktor 1



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

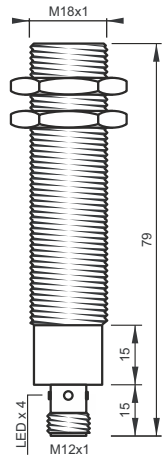
Shielded
Bündig

M18 - 7 mm

NEW



Reduction Factor 1
Reduktionsfaktor 1



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

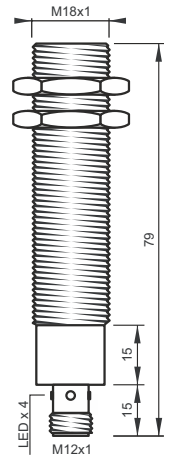
Shielded
Bündig

M18 - 7 mm

NEW



Reduction Factor 1
Reduktionsfaktor 1



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

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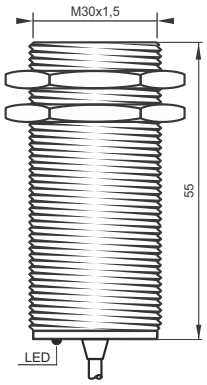
INDUCTIVE

Shielded
Bündig
M30



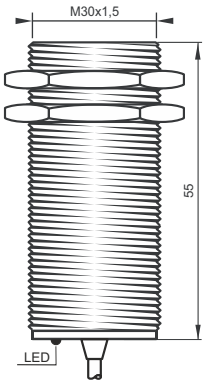
Reduction Factor 1
Reduktionsfaktor 1



Shielded
Bündig
M30



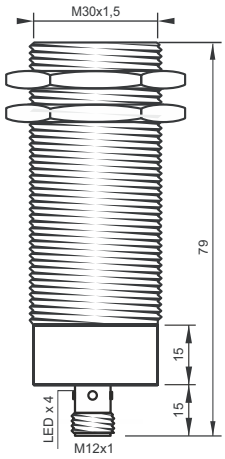
Reduction Factor 1
Reduktionsfaktor 1



Shielded
Bündig
M30



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
Part Number | Artikelnummer				
PNP, NO - 10… 30 VDC		IWI30	MFWI30	IWI30
PNP, NC - 10… 30 VDC				
NPN, NO - 10… 30 VDC				
NPN, NC - 10… 30 VDC				

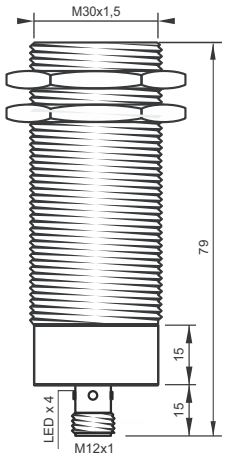
Other metal configuration on request
Andere Metallkombinationen auf Anfrage

Shielded
Bündig

M30



Reduction Factor 1
Reduktionsfaktor 1



M30x1.5

10…30 VDC	
200 mA	
100 Hz	
-10…60 °C	
IP67	
Stainless Steel	Edelstahl
Stainless Steel	Edelstahl
Conn. M12	Stecker M12
built-in	Integriert

MFWI30

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XECRO SENSORS

INDUCTIVE CAPACITIVE OPTOELECTRONICS TOUCH 'N INDICATORS

CAPACITIVE

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

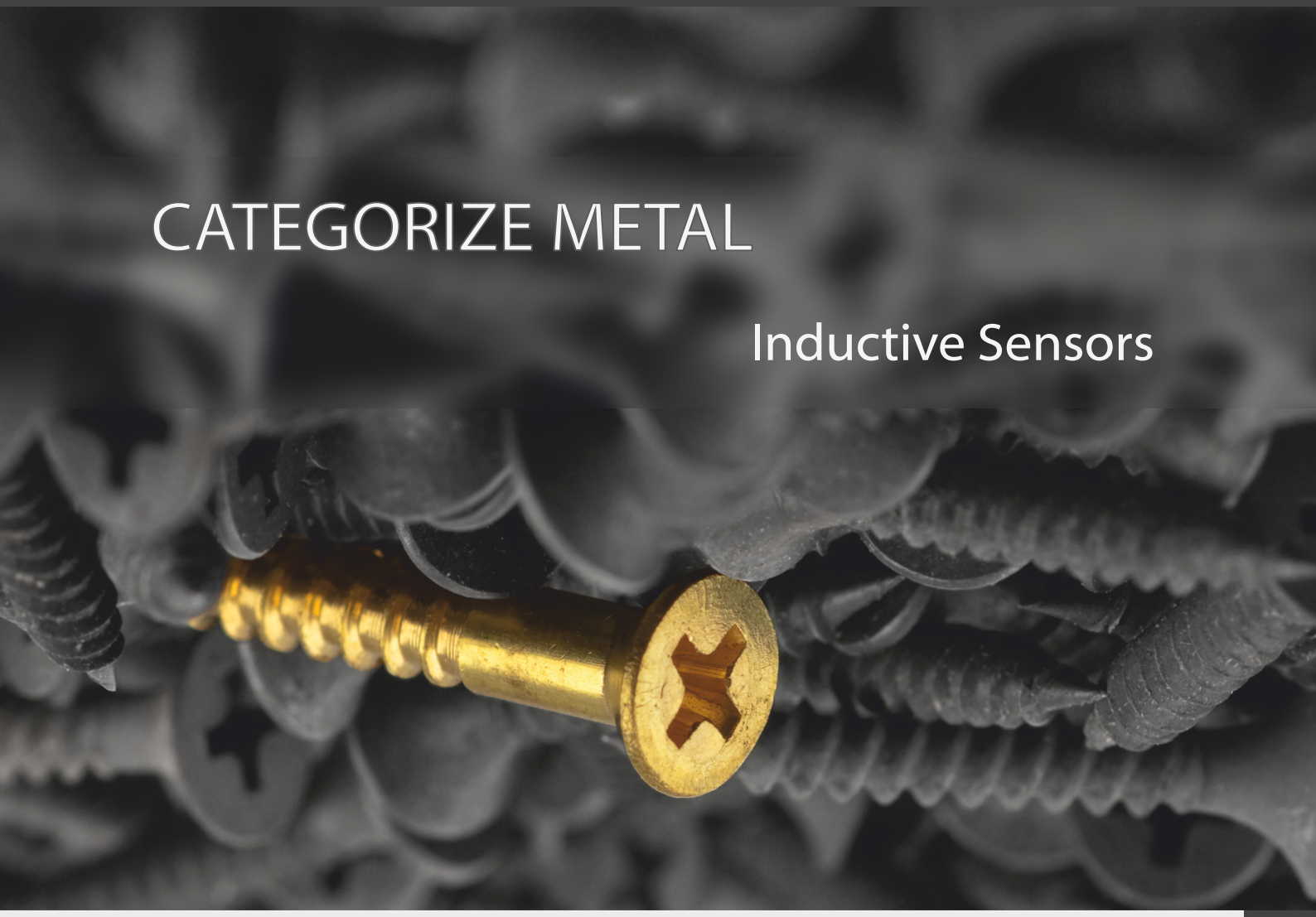
Für Müllsortierung angepasste Varianten mit kaskadierten Sensorflächen erhältlich

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

Vollständige Datenblätter stehen auf http://xecro.com zur Verfügung
Complete data sheets can be found on http://xecro.com

CATEGORIZE METAL

Inductive Sensors



Caution

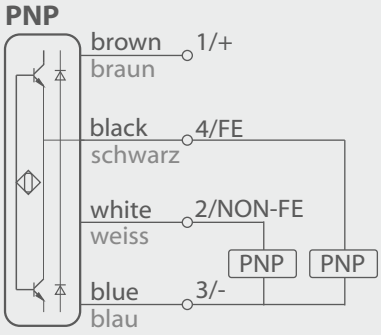
all devices from this section may not be used if the safety of persons rely on their faultless function !

Achtung

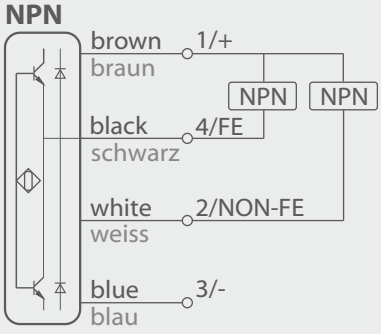
alle Geräte in diesem Abschnitt dürfen nicht verwendet werden, wenn die Sicherheit von Personen von deren einwandfreier Funktion abhängig ist !

CONNECTION

PNP



NPN



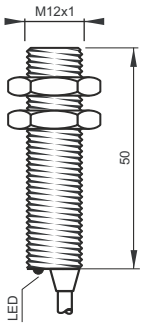
INDUCTIVE

Shielded
Bündig
M12 - 4 mm

NEW



FE / Non-FE
FE / Nicht FE

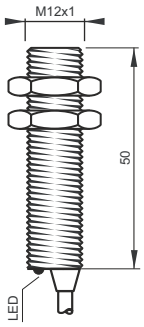


Shielded
Bündig
M12 - 4 mm

NEW



FE / Non-FE
FE / Nicht FE

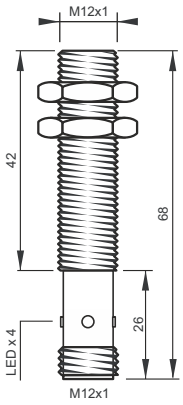


Shielded
Bündig
M12 - 4 mm

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
Part Number | Artikelnummer				
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

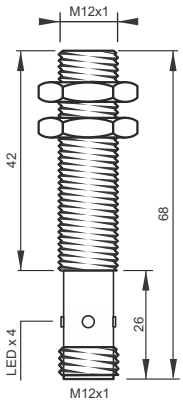
Shielded
Bündig

M12 - 4 mm

NEW



FE / Non-FE
FE / Nicht FE



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

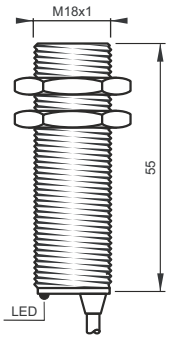
Shielded
Bündig

M18 - 7 mm

NEW



FE / Non-FE
FE / Nicht FE



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

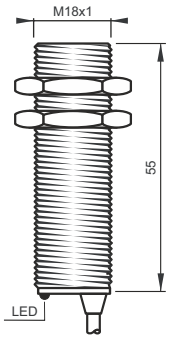
Shielded
Bündig

M18 - 7 mm

NEW



FE / Non-FE
FE / Nicht FE



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

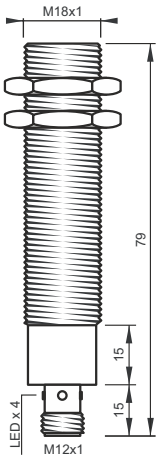
Shielded
Bündig

M18 - 7 mm

NEW



FE / Non-FE
FE / Nicht FE



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

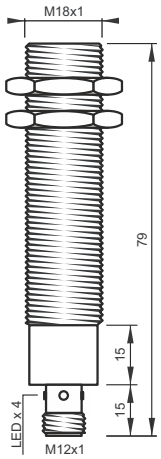
Shielded
Bündig

M18 - 7 mm

NEW



FE / Non-FE
FE / Nicht FE



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

XECRO reserves the right to make minor changes without prior notification.
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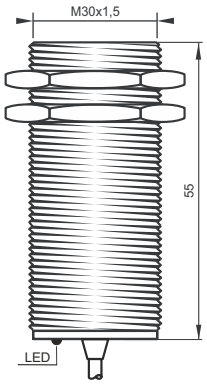
INDUCTIVE

Shielded
Bündig
M30



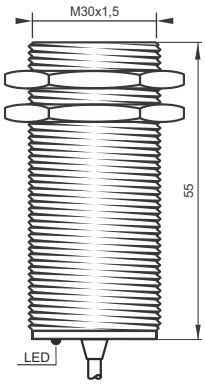
FE / Non-FE
FE / Nicht FE



Shielded
Bündig
M30



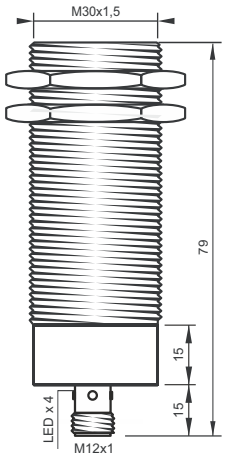
FE / Non-FE
FE / Nicht FE



Shielded
Bündig
M30



FE / Non-FE
FE / Nicht FE



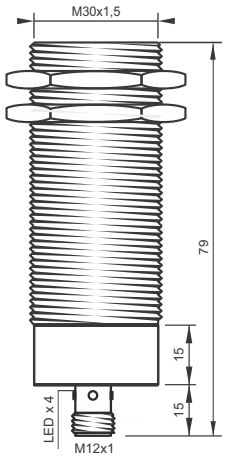
Housing	**Bauform**	**M30x1.5**	**M30x1.5**	**M30x1.5**
Sensing Distance	Schaltabstand			
Betriebsspannung	Operating Voltage	10…30 VDC	10…30 VDC	10…30 VDC
Current Load Capability	Ausgangsbelastbarkeit	2 x 200 mA	2 x 200 mA	2 x 200 mA
Switching Frequency	Schaltfrequenz	100 Hz	100 Hz	100 Hz
Operating Temperature	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
Part Number | **Artikelnummer**				
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



FE / Non-FE
FE / Nicht FE



M30x1.5

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

MFWI30

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XECROSENSORS

INDUCTIVE CAPACITIVE OPTOELECTRONICS TOUCH 'N INDICATORS

ANALOG OUTPUT

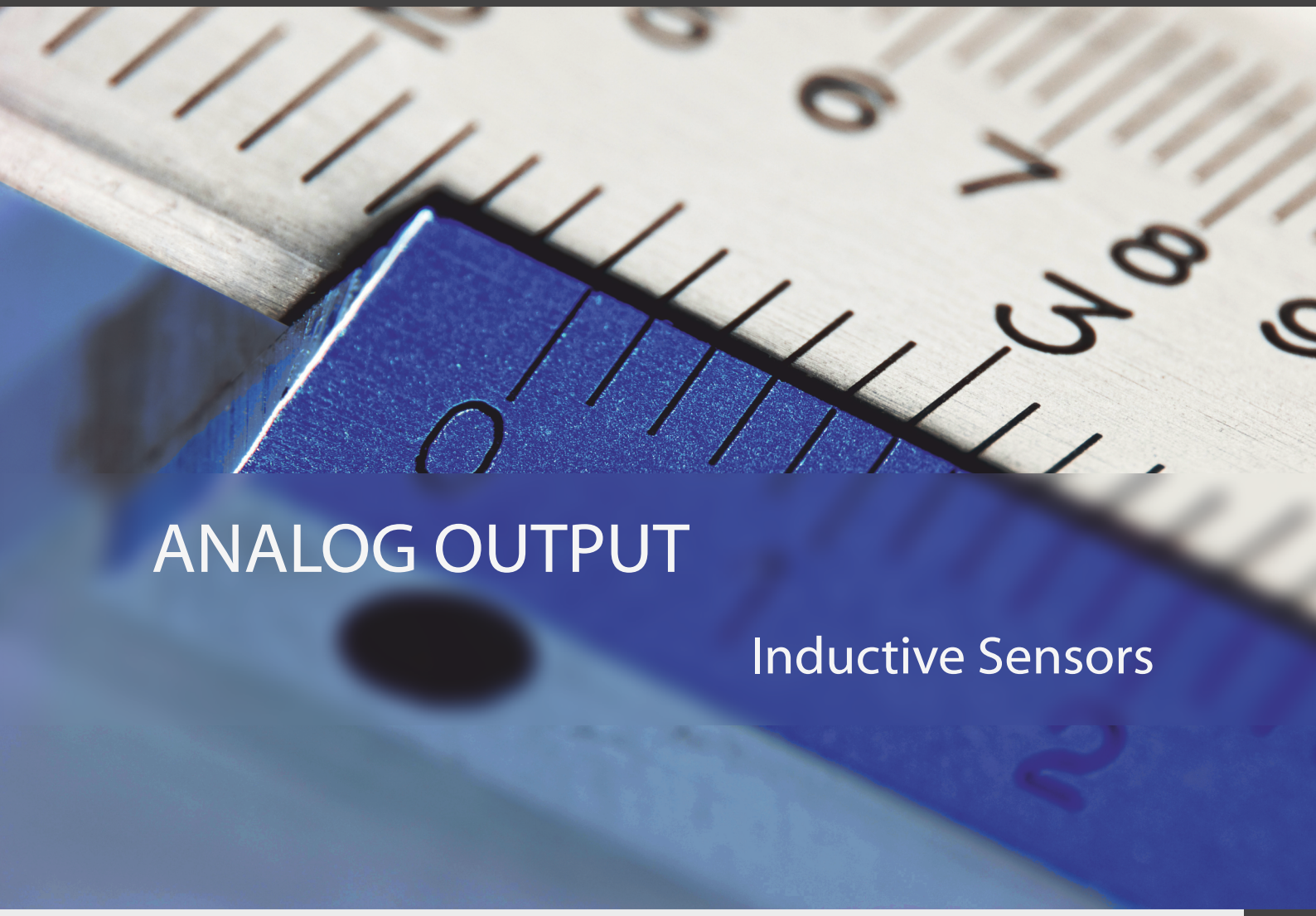
TOP BENEFITS

- Extra high measuring distances
- Excellent temperature stability
- Voltage output 10 … 0 VDC
- Current output 20 … 4 mA

HAUPTVORTEILE

- Extra hohe Messabstände
- Exzellente Temperaturstabilität
- Spannungsausgang 10 … 0 VDC
- Stromausgang 20 … 4 mA

Complete data sheets can be found on http://xecro.com
Vollständige Datenblätter stehen auf http://xecro.com zur Verfügung



ANALOG OUTPUT

Inductive Sensors

Caution

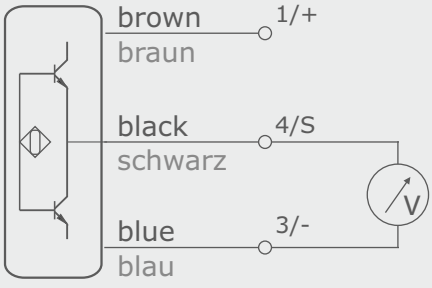
all devices from this section may not be used if the safety of persons rely on their faultless function!

Achtung

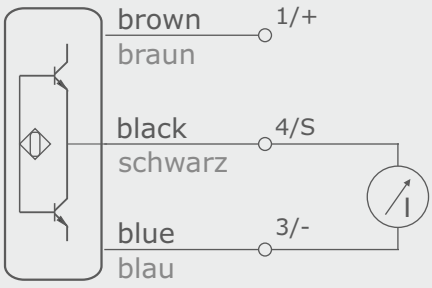
alle Geräte in diesem Abschnitt dürfen nicht verwendet werden, wenn die Sicherheit von Personen von deren einwandfreier Funktion abhängig ist!

CONNECTION

Voltage



Current

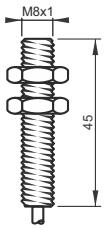


INDUCTIVE

Shielded
Bündig
M8 - 3 mm



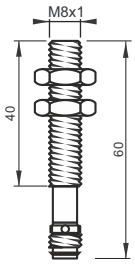
Extended
Erweitert



Shielded
Bündig
M8 - 3 mm



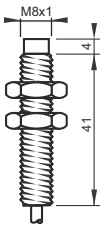
Extended
Erweitert



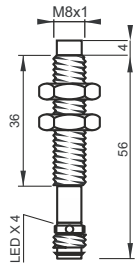
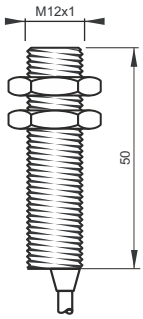
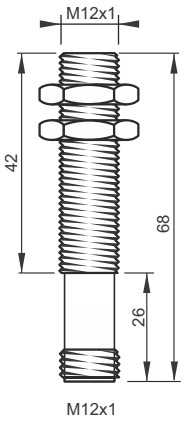
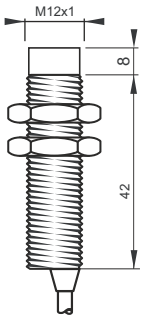
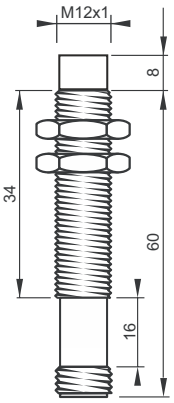
Unshielded
Nicht bündig
M8 - 6 mm



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
Part Number | Artikelnummer				
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	Shielded Bündig	Shielded Bündig	Unshielded Nicht bündig	Unshielded Nicht bündig
M8 - 6 mm	**M12 - 6 mm**	**M12 - 6 mm**	**M12 - 10 mm**	**M12 - 10 mm**
				
Extended Erweitert	Extended Erweitert	Extended Erweitert	Extended Erweitert	Extended Erweitert
				

M8x1		**M12x1**		**M12x1**		**M12x1**		**M12x1**	
1.1…6 mm		0.6…6 mm		0.6…6 mm		3.1…10 mm		3.1…10 mm	
18…30 VDC		18…30 VDC		18…30 VDC		18…30 VDC		18…30 VDC	
V: > 2 kOhm, A: 400 Ohm		V: > 2 kOhm, A: 400 Ohm		V: > 2 kOhm, A: 400 Ohm		V: > 2 kOhm, A: 400 Ohm		V: > 2 kOhm, A: 400 Ohm	
100 Hz		100 Hz		100 Hz		100 Hz		100 Hz	
0…+70 °C		0…+70 °C		0…+70 °C		0…+70 °C		0…+70 °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. M12	Stecker M12	PVC, Ultra-Flex		Conn. M12	Stecker M12
None	Keine	None	Keine	None	Keine	None	Keine	None	Keine
IA8-N6V010-N8		IA12-S6V010-N2P		IA12-S6V010-N12		IA12-N10V010-N2P		IA12-N10V010-N12	
IA8-N6I420-N8		IA12-S6I420-N2P		IA12-S6I420-N12		IA12-N10I420-N2P		IA12-N10I420-N12	

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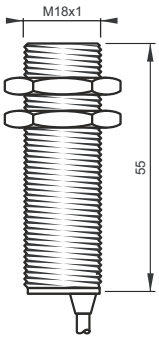
INDUCTIVE

Shielded
Bündig
M18 - 10 mm



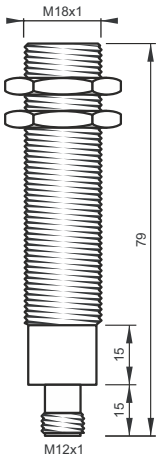
Extended
Erweitert



Shielded
Bündig
M18 - 10 mm



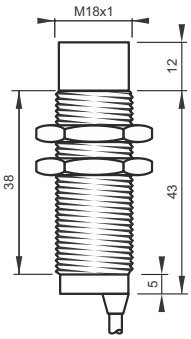
Extended
Erweitert



Unshielded
Nicht bündig
M18 - 20 mm



Extended
Erweitert

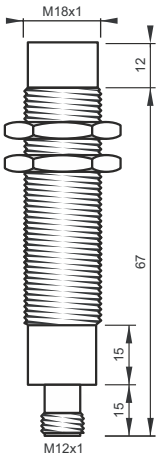


Housing	**Bauform**	**M18x1**	**M18x1**	**M18x1**
Measuring Distance	Messabstand	3.1…10 mm	3.1…10 mm	7.3…20 mm
Operating Voltage	Betriebsspannung	18…30 VDC	18…30 VDC	18…30 VDC
Load Resistor	Lastwiderstand	V: > 2 kOhm, A: 400 Ohm	V: > 2 kOhm, A: 400 Ohm	V: > 2 kOhm, A: 400 Ohm
Output Following Frequency	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	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
Part Number | Artikelnummer				
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

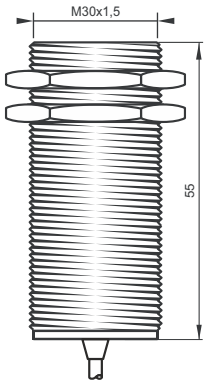


M18x1	
7.3…20 mm	
18…30 VDC	
V: > 2 kOhm, A: 400 Ohm	
100 Hz	
0…+70 °C	
IP67	
PBT	
Brass	Messing
Conn. M12	Stecker M12
None	Keine
IA18-N20V010-N12	
IA18-N20I420-N12	

Shielded
Bündig
M30 - 20 mm



Extended
Erweitert

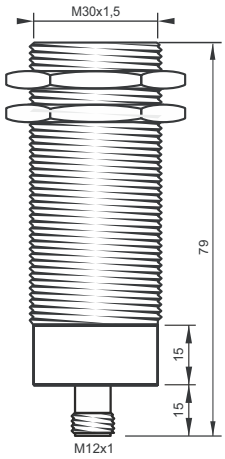


M30x1.5	
7.3…20 mm	
18…30 VDC	
V: > 2 kOhm, A: 400 Ohm	
100 Hz	
0…+70 °C	
IP67	
PBT	
Brass	Messing
PVC, Ultra-Flex	
None	Keine
IA30-S20V010-N2P	
IA30-S20I420-N2P	

Shielded
Bündig
M30 - 20 mm



Extended
Erweitert

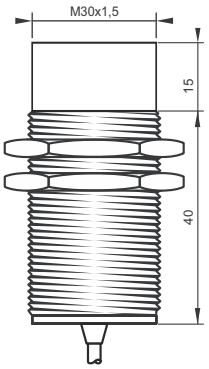


M30x1.5	
7.3…20 mm	
18…30 VDC	
V: > 2 kOhm, A: 400 Ohm	
100 Hz	
0…+70 °C	
IP67	
PBT	
Brass	Messing
Conn. M12	Stecker M12
None	Keine
IA30-S20V010-N12	
IA30-S20I420-N12	

Unshielded
Nicht bündig
M30 - 40 mm



Extended
Erweitert

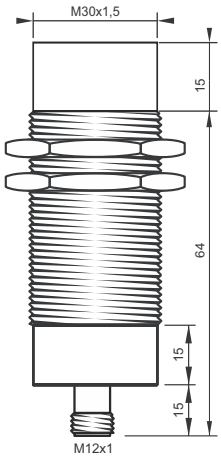


M30x1.5	
17.6…40 mm	
18…30 VDC	
V: > 2 kOhm, A: 400 Ohm	
100 Hz	
0…+70 °C	
IP67	
PBT	
Brass	Messing
PVC, Ultra-Flex	
None	Keine
IA30-N40V010-N2P	
IA30-N40I420-N2P	

Unshielded
Nicht bündig
M30 - 40 mm



Extended
Erweitert



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	

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XECRO SENSORS

INDUCTIVE CAPACITIVE OPTOELECTRONICS TOUCH 'N INDICATORS

CAPACITIVE

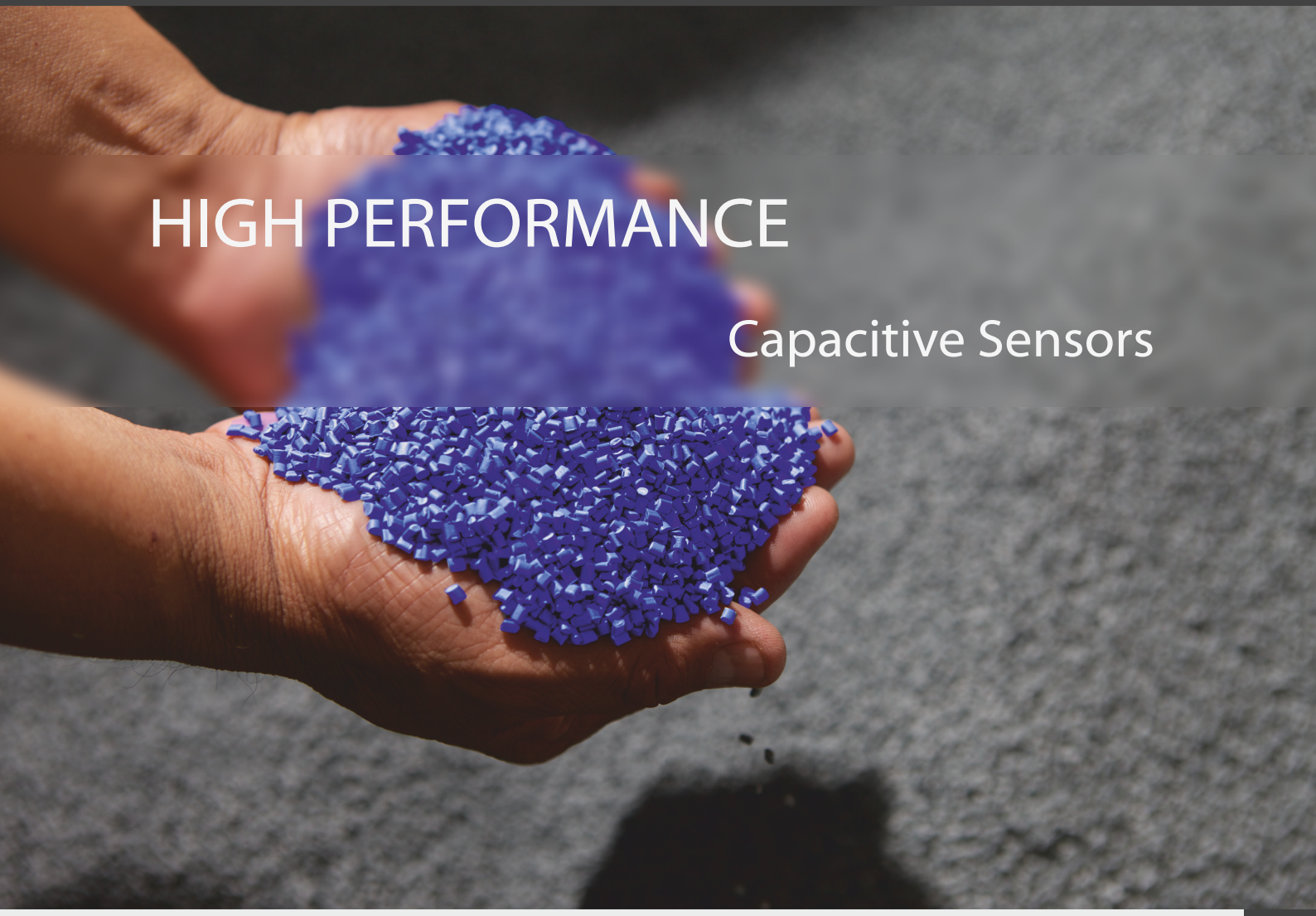
TOP BENEFITS

- 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

Complete data sheets can be found on http://xecro.com
Vollständige Datenblätter stehen auf http://xecro.com zur Verfügung



HIGH PERFORMANCE

Capacitive Sensors

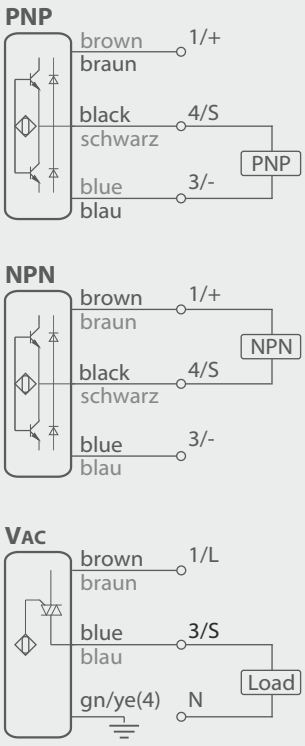
Caution

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

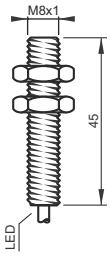


CAPACITIVE

Shielded
Bündig
M8 - 2 mm



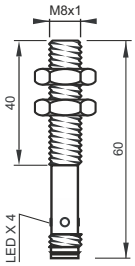
Increased
Erhöht



Shielded
Bündig
M8 - 2 mm



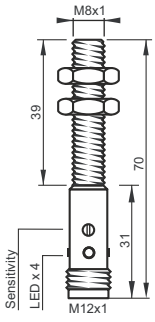
Increased
Erhöht



Shielded
Bündig
M8 - 2 mm



Increased
Erhöht

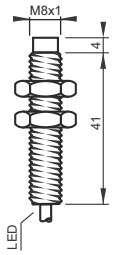


Housing	**Bauform**	**M8x1**	**M8x1**	**M8x1**
Sensing Distance	Schaltabstand	2 mm	2 mm	2 mm
Operating Voltage	Betriebsspannung	10…30 VDC	10…30 VDC	10…30 VDC
Current Load Capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA
Switching Frequency	Schaltfrequenz	100 Hz	100 Hz	100 Hz
Operating Temperature	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
Part Number | **Artikelnummer**				
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



Increased
Erhöht



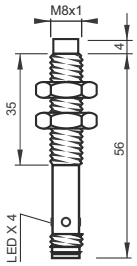
M8x1	
4 mm	
10…30 VDC	
200 mA	
100 Hz	
-25…+70 °C	
IP 67	
-	
Stainless Steel	Edelstahl
PVC, Ultra-Flex	
built-in	integriert

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

Unshielded
Nicht bündig
M8 - 4 mm



Increased
Erhöht



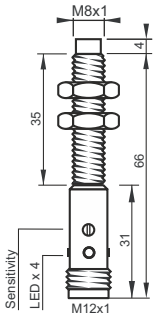
M8x1	
4 mm	
10…30 VDC	
200 mA	
100 Hz	
-25…+70 °C	
IP 67	
-	
Stainless Steel	Edelstahl
Conn. M8	Stecker M8
built-in	integriert

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

Unshielded
Nicht bündig
M8 - 4 mm



Increased
Erhöht



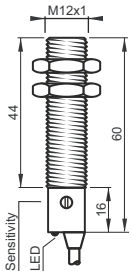
M8x1	
4 mm	
10…30 VDC	
200 mA	
100 Hz	
-25…+70 °C	
IP 67	
Multi-turn	Mehrgang
Stainless Steel	Edelstahl
Conn. M12	Stecker M12
built-in	integriert

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

Shielded
Bündig
M12 - 4 mm



Increased
Erhöht



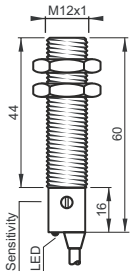
M12x1	
4 mm	
10…30 VDC	
200 mA	
100 Hz	
-25…+70 °C	
IP 67	
Multi-turn	Mehrgang
Brass	Messing
PVC, Ultra-Flex	
built-in	integriert

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

Shielded
Bündig
M12 - 4 mm



Increased
Erhöht



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

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

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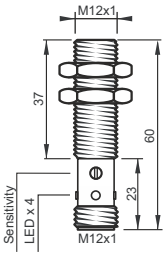
CAPACITIVE

Shielded
Bündig
M12 - 4 mm



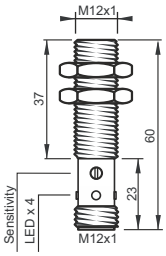
Increased
Erhöht



Shielded
Bündig
M12 - 4 mm



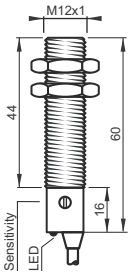
Increased
Erhöht



Shielded
Bündig
M12 - 6 mm



Extended
Erweitert

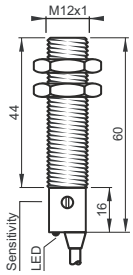


Housing	**Bauform**	**M12x1**		**M12x1**		**M12x1**	
Sensing Distance	Schaltabstand	4 mm		4 mm		6 mm	
Operating Voltage	Betriebsspannung	10…30 VDC		10…30 VDC		10…30 VDC	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	100 Hz		100 Hz		100 Hz	
Operating 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
Part Number | **Artikelnummer**							
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



Extended
Erweitert



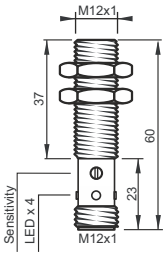
M12x1	
6 mm	
10…30 VDC	
200 mA	
100 Hz	
-25…+70 °C	
IP 67	
Multi-turn	Mehrgang
PBT	
PVC, Ultra-Flex	
built-in	integriert

CS12-S6PO60P-A2P
CS12-S6PC60P-A2P
CS12-S6NO60P-A2P
CS12-S6NC60P-A2P

Shielded
Bündig
M12 - 6 mm



Extended
Erweitert



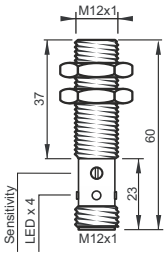
M12x1	
6 mm	
10…30 VDC	
200 mA	
100 Hz	
-25…+70 °C	
IP 67	
Multi-turn	Mehrgang
Brass	Messing
Conn. M12	Stecker M12
built-in	integriert

CS12-S6PO60-A12
CS12-S6PC60-A12
CS12-S6NO60-A12
CS12-S6NC60-A12

Shielded
Bündig
M12 - 6 mm



Extended
Erweitert



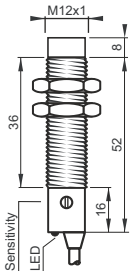
M12x1	
6 mm	
10…30 VDC	
200 mA	
100 Hz	
-25…+70 °C	
IP 67	
Multi-turn	Mehrgang
PBT	
Conn. M12	Stecker M12
built-in	integriert

CS12-S6PO60P-A12
CS12-S6PC60P-A12
CS12-S6NO60P-A12
CS12-S6NC60P-A12

Unshielded
Nicht bündig
M12 - 8 mm



Increased
Erhöht



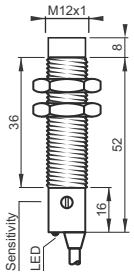
M12x1	
8 mm	
10…30 VDC	
200 mA	
100 Hz	
-25…+70 °C	
IP 67	
Multi-turn	Mehrgang
Brass	Messing
PVC, Ultra-Flex	
built-in	integriert

CS12-N8PO60-A2P
CS12-N8PC60-A2P
CS12-N8NO60-A2P
CS12-N8NC60-A2P

Unshielded
Nicht bündig
M12 - 8 mm



Increased
Erhöht



M12x1	
8 mm	
10…30 VDC	
200 mA	
100 Hz	
-25…+70 °C	
IP 67	
Multi-turn	Mehrgang
PBT	
PVC, Ultra-Flex	
built-in	integriert

CS12-N8PO60P-A2P
CS12-N8PC60P-A2P
CS12-N8NO60P-A2P
CS12-N8NC60P-A2P

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CAPACITIVE

Unshielded
Nicht bündig
M12 - 8 mm



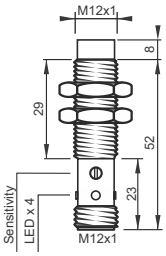
Unshielded
Nicht bündig
M12 - 8 mm



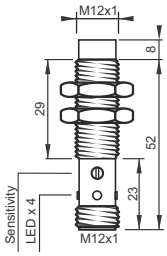
Unshielded
Nicht bündig
M12 - 10 mm



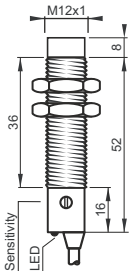
Increased
Erhöht



Increased
Erhöht



Extended
Erweitert

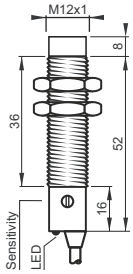


Housing	**Bauform**	**M12x1**		**M12x1**		**M12x1**	
Sensing Distance	Schaltabstand	8 mm		8 mm		10 mm	
Operating Voltage	Betriebsspannung	10…30 VDC		10…30 VDC		10…30 VDC	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	100 Hz		100 Hz		100 Hz	
Operating 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
Part Number | **Artikelnummer**							
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



Extended
Erweitert



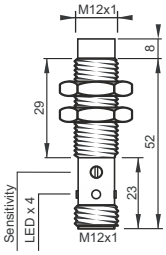
M12x1	
10 mm	
10…30 VDC	
200 mA	
100 Hz	
-25…+70 °C	
IP 67	
Multi-turn	Mehrgang
PBT	
PVC, Ultra-Flex	
built-in	integriert

CS12-N10PO60P-A2P
CS12-N10PC60P-A2P
CS12-N10NO60P-A2P
CS12-N10NC60P-A2P

Unshielded
Nicht bündig
M12 - 10 mm



Extended
Erweitert



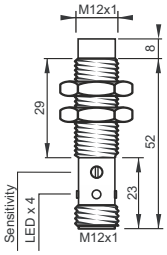
M12x1	
10 mm	
10…30 VDC	
200 mA	
100 Hz	
-25…+70 °C	
IP 67	
Multi-turn	Mehrgang
Brass	Messing
Conn. M12	Stecker M12
built-in	integriert

CS12-N10PO60-A12
CS12-N10PC60-A12
CS12-N10NO60-A12
CS12-N10NC60-A12

Unshielded
Nicht bündig
M12 - 10 mm



Extended
Erweitert



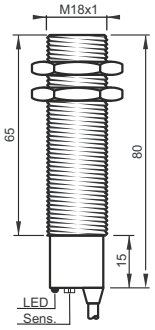
M12x1	
10 mm	
10…30 VDC	
200 mA	
100 Hz	
-25…+70 °C	
IP 67	
Multi-turn	Mehrgang
PBT	
Conn. M12	Stecker M12
built-in	integriert

CS12-N10PO60P-A12
CS12-N10PC60P-A12
CS12-N10NO60P-A12
CS12-N10NC60P-A12

Shielded
Bündig
M18 - 8 mm



Increased
Erhöht



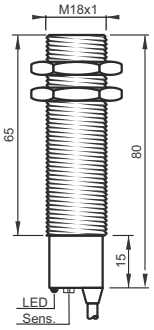
M18x1	
8 mm	
10…30 VDC	
200 mA	
100 Hz	
-25…+70 °C	
IP 67	
Multi-turn	Mehrgang
Brass	Messing
PVC, Ultra-Flex	
built-in	integriert

CS18-S8PO80-A2P
CS18-S8PC80-A2P
CS18-S8NO80-A2P
CS18-S8NC80-A2P

Shielded
Bündig
M18 - 8 mm



Increased
Erhöht



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

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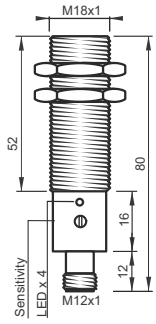
XECRO behält sich das Recht vor, geringfügige Anpassungen jederzeit durchzuführen.

CAPACITIVE

Shielded
Bündig
M18 - 8 mm



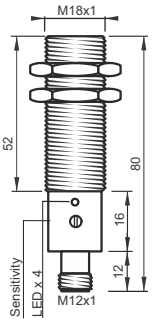
Increased
Erhöht



Shielded
Bündig
M18 - 8 mm



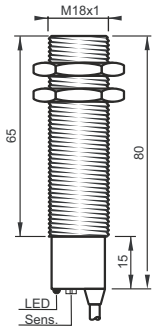
Increased
Erhöht



Shielded
Bündig
M18 - 12 mm



Extended
Erweitert



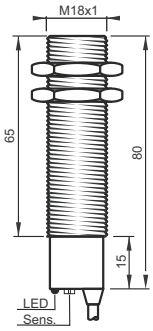
Housing	**Bauform**	**M18x1**		**M18x1**		**M18x1**	
Sensing Distance	Schaltabstand	8 mm		8 mm		12 mm	
Operating Voltage	Betriebsspannung	10…30 VDC		10…30 VDC		10…30 VDC	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	100 Hz		100 Hz		100 Hz	
Operating 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
Part Number | **Artikelnummer**							
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



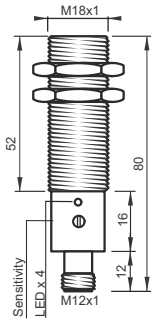
Extended
Erweitert



Shielded
Bündig
M18 - 12 mm



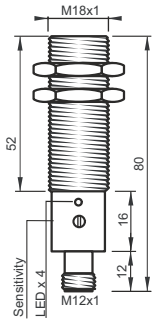
Extended
Erweitert



Shielded
Bündig
M18 - 12 mm



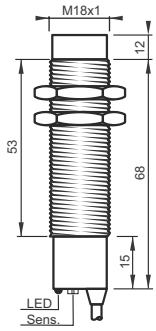
Extended
Erweitert



Unshielded
Nicht bündig
M18 - 15 mm



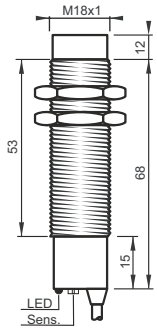
Increased
Erhöht



Unshielded
Nicht bündig
M18 - 15 mm



Increased
Erhöht



M18x1	**M18x1**	**M18x1**	**M18x1**	**M18x1**
12 mm	12 mm	12 mm	15 mm	15 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-S12PO80P-A2P	CS18-S12PO80-A12	CS18-S12PO80P-A12	CS18-N15PO80-A2P	CS18-N15PO80P-A2P
CS18-S12PC80P-A2P	CS18-S12PO80-A12	CS18-S12PO80P-A12	CS18-N15PC80-A2P	CS18-N15PC80P-A2P
CS18-S12NO80P-A2P	CS18-S12NO80-A12	CS18-S12NO80P-A12	CS18-N15NO80-A2P	CS18-N15NO80P-A2P
CS18-S12NC80P-A2P	CS18-S12NC80-A12	CS18-S12NC80P-A12	CS18-N15NC80-A2P	CS18-N15NC80P-A2P

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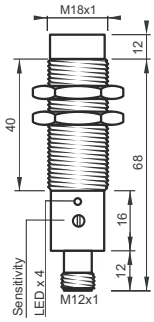
CAPACITIVE

Unshielded
Nicht bündig
M18 - 15 mm



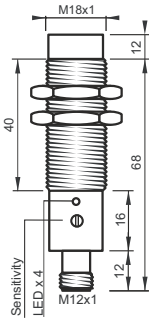
Increased
Erhöht



Unshielded
Nicht bündig
M18 - 15 mm



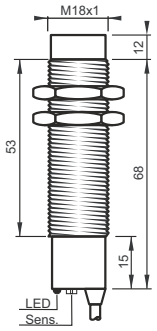
Increased
Erhöht



Unshielded
Nicht bündig
M18 - 20 mm



Extended
Erweitert

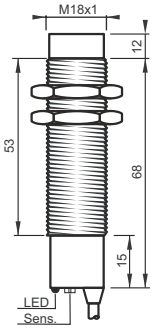


Housing	**Bauform**	**M18x1**		**M18x1**		**M18x1**	
Sensing Distance	Schaltabstand	15 mm		15 mm		20 mm	
Operating Voltage	Betriebsspannung	10…30 VDC		10…30 VDC		10…30 VDC	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	100 Hz		100 Hz		100 Hz	
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
Part Number | **Artikelnummer**							
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



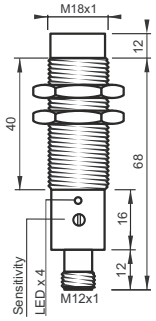
Extended
Erweitert



Unshielded
Nicht bündig
M18 - 20 mm



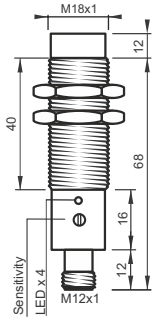
Extended
Erweitert



Unshielded
Nicht bündig
M18 - 20 mm



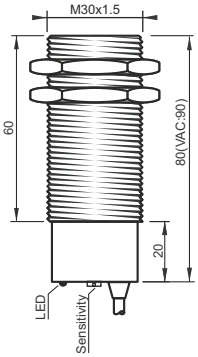
Extended
Erweitert



Shielded
Bündig
M30 - 20 mm



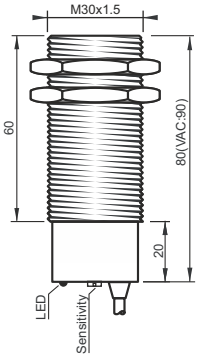
Increased
Erhöht



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

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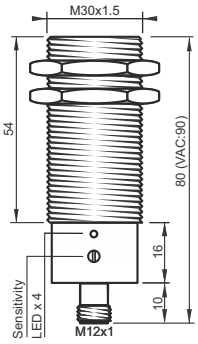
XECRO behält sich das Recht vor, geringfügige Anpassungen jederzeit durchzuführen.

CAPACITIVE

Shielded
Bündig
M30 - 20 mm



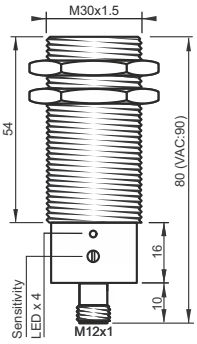
Increased
Erhöht



Shielded
Bündig
M30 - 20 mm



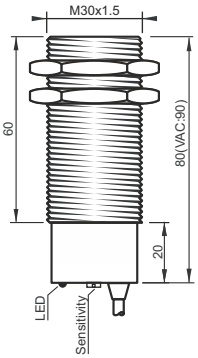
Increased
Erhöht



Shielded
Bündig
M30 - 25 mm



Extended
Erweitert

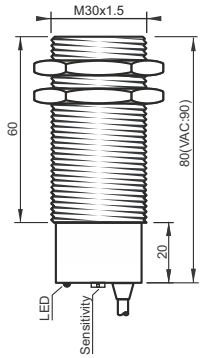


Housing	**Bauform**	**M30x1.5**		**M30x1.5**		**M30x1.5**	
Sensing Distance	Schaltabstand	20 mm		20 mm		25 mm	
Operating Voltage	Betriebsspannung	10…30 VDC		10…30 VDC		10…30 VDC	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	100 Hz		100 Hz		100 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
Part Number | **Artikelnummer**							
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



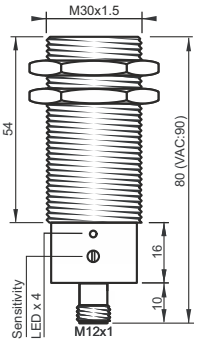
Extended
Erweitert



Shielded
Bündig
M30 - 25 mm



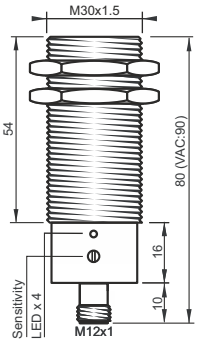
Extended
Erweitert



Shielded
Bündig
M30 - 25 mm



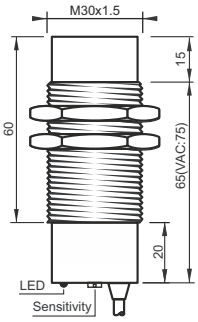
Extended
Erweitert



Unshielded
Nicht bündig
M30 - 30 mm



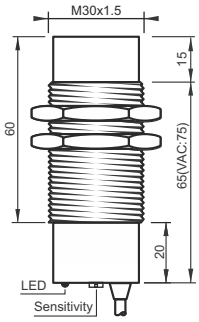
Increased
Erhöht



Unshielded
Nicht bündig
M30 - 30 mm



Increased
Erhöht



M30x1.5		M30x1.5		M30x1.5		M30x1.5		M30x1.5	
25 mm		25 mm		25 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…+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
CS30-S25PO80P-A2P		CS30-S25PO80-A12		CS30-S25PO80P-A12		CS30-N30PO80-A2P		CS30-N30PO80P-A2P	
CS30-S25PC80P-A2P		CS30-S25PC80-A12		CS30-S25PC80P-A12		CS30-N30PC80-A2P		CS30-N30PC80P-A2P	
CS30-S25NO80P-A2P		CS30-S25NO80-A12		CS30-S25NO80P-A12		CS30-N30NO80-A2P		CS30-N30NO80P-A2P	
CS30-S25NC80P-A2P		CS30-S25NC80-A12		CS30-S25NC80P-A12		CS30-N30NC80-A2P		CS30-N30NC80P-A2P	

XECRO reserves the right to make minor changes without prior notification.
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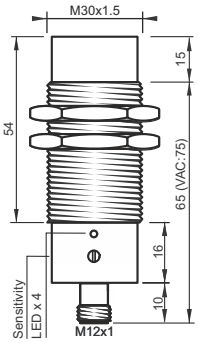
CAPACITIVE

Unshielded
Nicht bündig
M30 - 30 mm



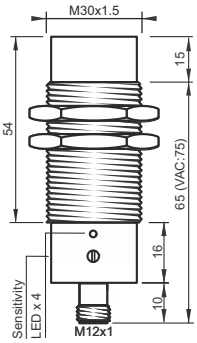
Increased
Erhöht



Unshielded
Nicht bündig
M30 - 30 mm



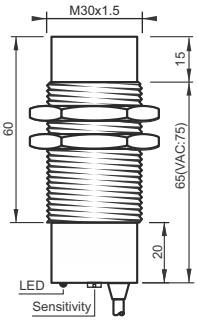
Increased
Erhöht



Unshielded
Nicht bündig
M30 - 35 mm



Extended
Erweitert

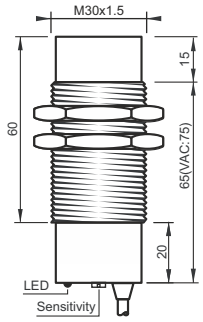


Housing	**Bauform**	**M30x1.5**		**M30x1.5**		**M30x1.5**	
Sensing Distance	Schaltabstand	30 mm		30 mm		35 mm	
Operating Voltage	Betriebsspannung	10…30 VDC		10…30 VDC		10…30 VDC	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	100 Hz		100 Hz		100 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
Part Number | Artikelnummer							
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



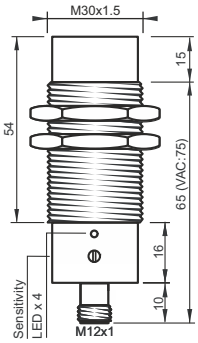
Increased
Erhöht



Unshielded
Nicht bündig
M30 - 35 mm



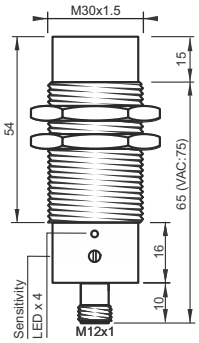
Increased
Erhöht



Unshielded
Nicht bündig
M30 - 35 mm



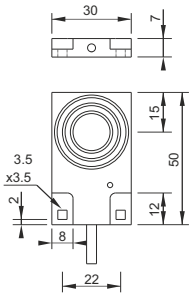
Increased
Erhöht



Shielded
Bündig
30x50 - 6 mm



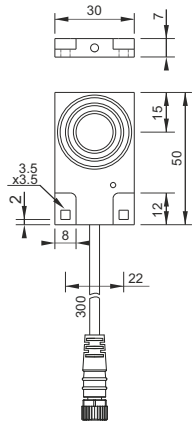
Increased
Erhöht



Shielded
Bündig
30x50 - 6 mm



Increased
Erhöht



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	

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CAPACITIVE

Unshielded
Nicht bündig
30x50 - 10 mm



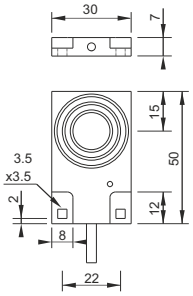
Unshielded
Nicht bündig
30x50 - 10 mm



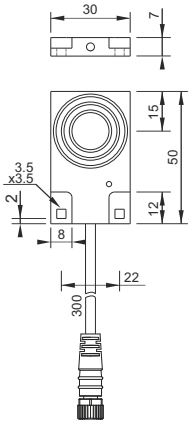
Shielded
Bündig
40x40 - 20 mm



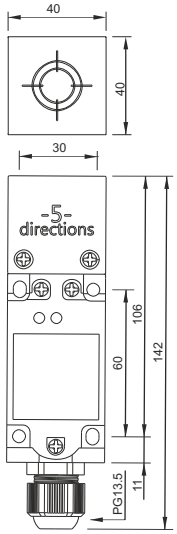
Increased
Erhöht



Increased
Erhöht



Increased
Erhöht



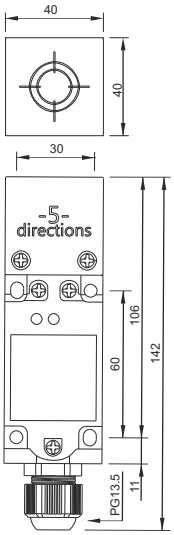
Housing	**Bauform**	**30x50**	**30x50**	**40x40 mm**
Sensing Distance	Schaltabstand	10 mm	10 mm	20 mm
Operating Voltage	Betriebsspannung	10…30 VDC	10…30 VDC	10…30 VDC
Current Load Capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA
Switching Frequency	Schaltfrequenz	100 Hz	100 Hz	100 Hz
Operating Temperature	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
Part Number | Artikelnummer				
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 VDC	
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

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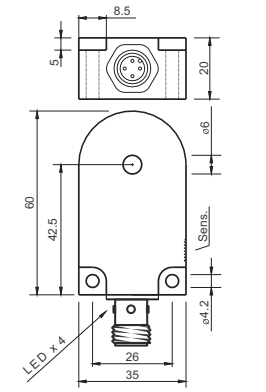
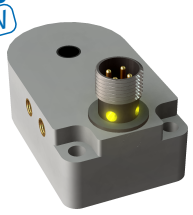
CAPACITIVE

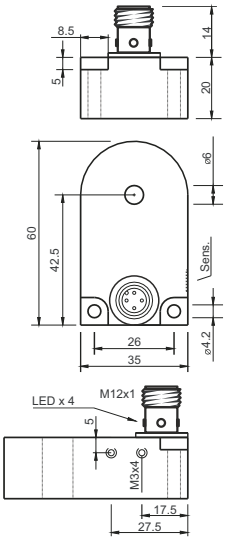
Ø 6 mm - static
Ø 6 mm - statisch
adjustable
NEW





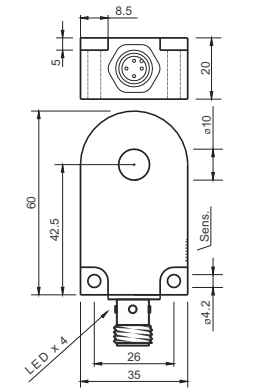
Ø 6 mm - static
Ø 6 mm - statisch
adjustable
NEW





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

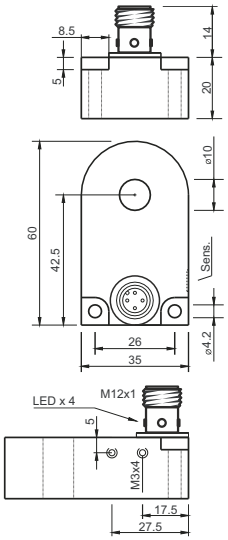


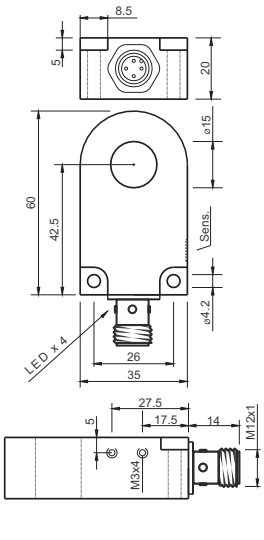
Ø 21 mm - static
Ø 21 mm - statisch

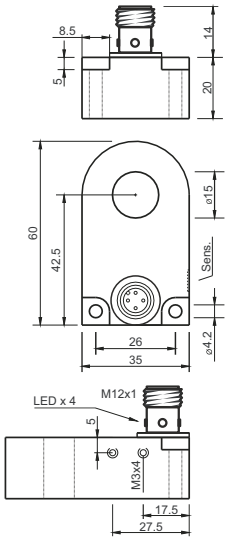
adjustable

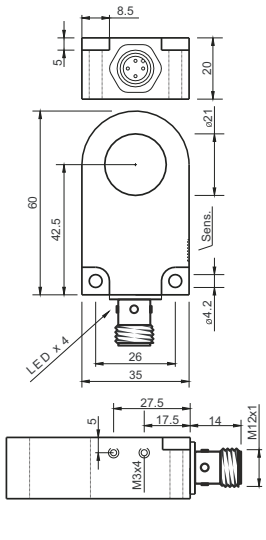
NEW

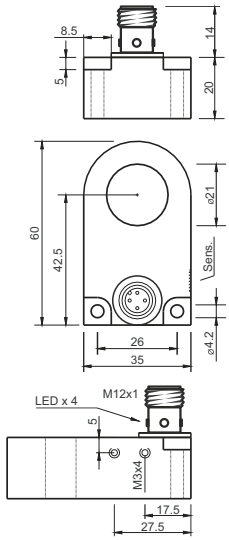












Ø 10 mm		**Ø 15 mm**		**Ø 15 mm**		**Ø 21 mm**		**Ø 21 mm**	
adjustable	einstellbar	adjustable	einstellbar	adjustable	einstellbar	adjustable	einstellbar	adjustable	einstellbar
10…30 VDC		10…30 VDC		10…30 VDC		10…30 VDC		10…30 VDC	
200 mA		200 mA		200 mA		200 mA		200 mA	
2 V @ 200 mA		2 V @ 200 mA		2 V @ 200 mA		2 V @ 200 mA		2 V @ 200 mA	
-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	
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
CR10S-PO-RA12		CR15S-PO-A12		CR15S-PO-RA12		CR21S-PO-A12		CR21S-PO-RA12	
CR10S-PC-RA12		CR15S-PC-A12		CR15S-PC-RA12		CR21S-PC-A12		CR21S-PC-RA12	
CR10S-NO-RA12		CR15S-NO-A12		CR15S-NO-RA12		CR21S-NO-A12		CR21S-NO-RA12	
CR10S-NC-RA12		CR15S-NC-A12		CR15S-NC-RA12		CR21S-NC-A12		CR21S-NC-RA12	

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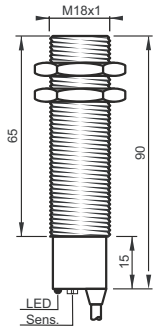
CAPACITIVE

Shielded
Bündig
M18 - 8 mm



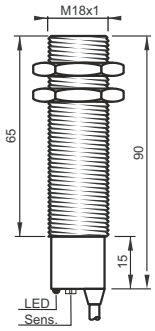
Increased
Erhöht



Shielded
Bündig
M18 - 8 mm



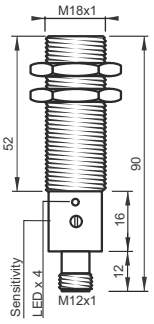
Increased
Erhöht



Shielded
Bündig
M18 - 8 mm



Increased
Erhöht

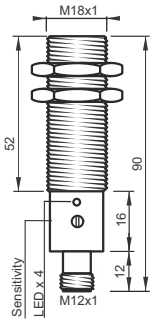


Housing	**Bauform**	**M18x1**	**M18x1**	**M18x1**
Sensing Distance	Schaltabstand	8 mm	8 mm	8 mm
Operating Voltage	Betriebsspannung	20… 250 VAC	20… 250 VAC	20… 250 VAC
Current Load Capability	Ausgangsbelastbarkeit	400 mA	400 mA	400 mA
Switching Frequency	Schaltfrequenz	25 Hz	25 Hz	25 Hz
Operating Temperature	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
Part Number | **Artikelnummer**				
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



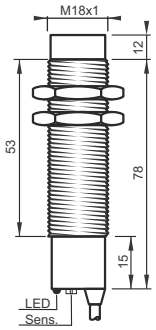
Increased
Erhöht



Unshielded
Nicht bündig
M18 - 15 mm



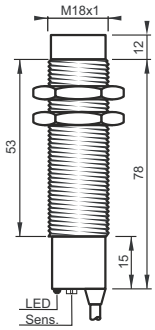
Increased
Erhöht



Unshielded
Nicht bündig
M18 - 15 mm



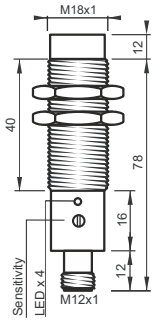
Increased
Erhöht



Unshielded
Nicht bündig
M18 - 15 mm



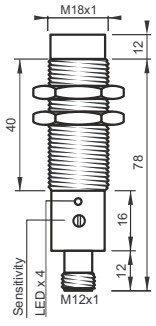
Increased
Erhöht



Unshielded
Nicht bündig
M18 - 15 mm



Increased
Erhöht



M18x1		M18x1		M18x1		M18x1		M18x1	
8 mm		15 mm		15 mm		15 mm		15 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…+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	
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
CS18-S8AO90P-A12		CS18-N15AO90-A2P		CS18-N15AO90P-A2P		CS18-N15AO90-A12		CS18-N15AO90P-A12	
CS18-S8AC90P-A12		CS18-N15AC90-A2P		CS18-N15AC90P-A2P		CS18-N15AC90-A12		CS18-N15AC90P-A12	

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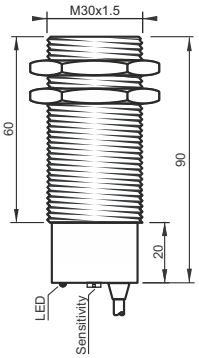
CAPACITIVE

Shielded
Bündig
M30 - 20 mm



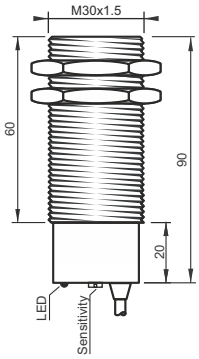
Increased
Erhöht



Shielded
Bündig
M30 - 20 mm



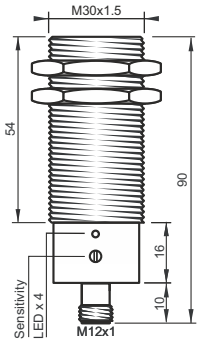
Increased
Erhöht



Shielded
Bündig
M30 - 20 mm



Increased
Erhöht

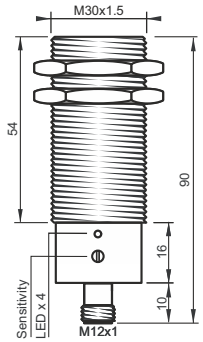


Housing	**Bauform**	**M30x1.5**	**M30x1.5**	**M30x1.5**
Sensing Distance	Schaltabstand	20 mm	20 mm	20 mm
Operating Voltage	Betriebsspannung	20… 250 VAC	20… 250 VAC	20… 250 VAC
Current Load Capability	Ausgangsbelastbarkeit	400 mA	400 mA	400 mA
Switching Frequency	Schaltfrequenz	25 Hz	25 Hz	25 Hz
Operating 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
Part Number | **Artikelnummer**				
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



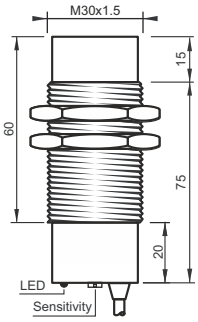
Increased
Erhöht



Unshielded
Nicht bündig
M30 - 30 mm



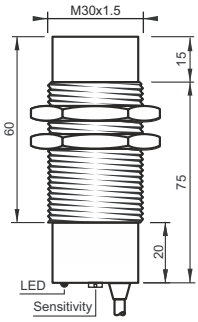
Increased
Erhöht



Unshielded
Nicht bündig
M30 - 30 mm



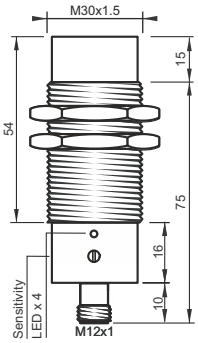
Increased
Erhöht



Unshielded
Nicht bündig
M30 - 30 mm



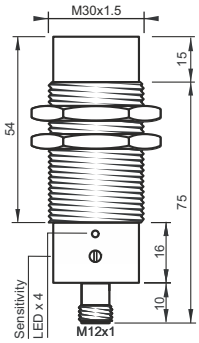
Increased
Erhöht



Unshielded
Nicht bündig
M30 - 30 mm



Increased
Erhöht



M30x1.5		**M30x1.5**		**M30x1.5**		**M30x1.5**		**M30x1.5**	
20 mm		30 mm		30 mm		30 mm		30 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…+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	
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
CS30-S20AO90P-A12		CS30-N30AO90-A2P		CS30-N30AO90P-A2P		CS30-N30AO90-A12		CS30-N30AO90P-A12	
CS30-S20AC90P-A12		CS30-N30AC90-A2P		CS30-N30AC90P-A2P		CS30-N30AC90-A12		CS30-N30AC90P-A12	

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CAPACITIVE

Shielded
Bündig

40x40 - 20 mm

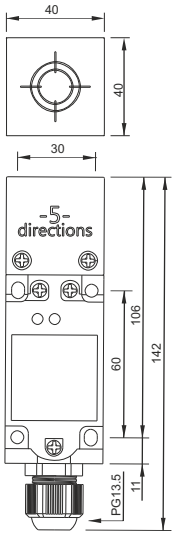


Unshielded
Nicht bündig

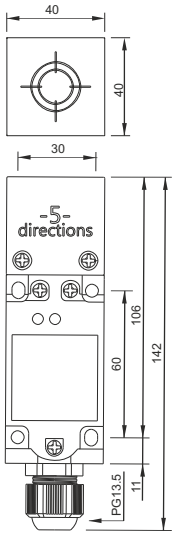
40x40 - 30 mm



Increased
Erhöht



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

Part Number | **Artikelnummer**

NO - 20… 250 VAC	—/—	CS40-S20AOL-PG13	CS40 N30AOL-PG13
NC - 20… 250 VAC	—/—	CS40-S20ACL-PG13	CS40 N30ACL-PG13

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XECRO SENSORS

INDUCTIVE CAPACITIVE OPTOELECTRONICS TOUCH 'N INDICATORS

CAPACITIVE

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

Complete data sheets can be found on http://xecro.com
Vollständige Datenblätter stehen auf http://xecro.com zur Verfügung



HIGH TEMPERATURE

Capacitive Sensors

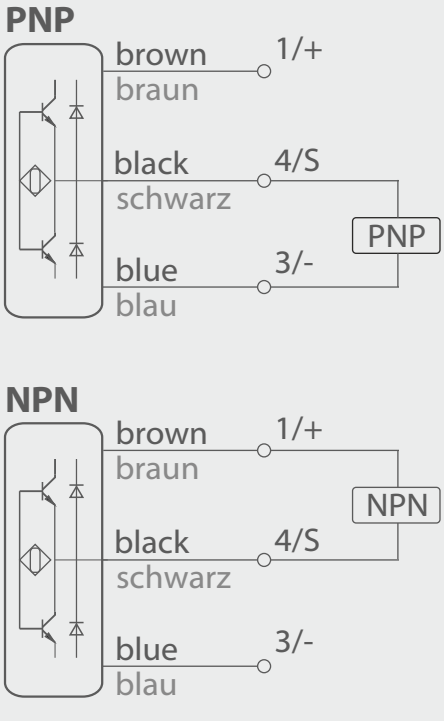
Caution

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

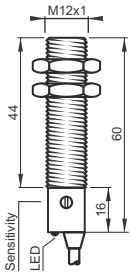


CAPACITIVE

Shielded
Bündig
M12 - 4 mm



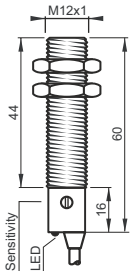
120 °C



Shielded
Bündig
M12 - 4 mm



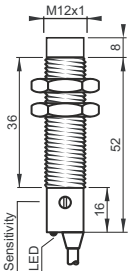
120 °C



Unshielded
Nicht bündig
M12 - 8 mm



120 °C



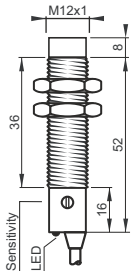
Housing	**Bauform**	**M12x1**		**M12x1**		**M12x1**	
Sensing Distance	Schaltabstand	4 mm		4 mm		8 mm	
Operating Voltage	Betriebsspannung	10…30 VDC		10…30 VDC		10…30 VDC	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	100 Hz		100 Hz		100 Hz	
Operating 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
Part Number | **Artikelnummer**							
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



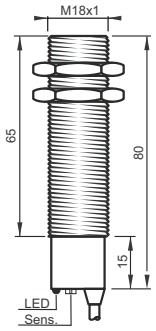
M12x1	
8 mm	
10…30 VDC	
200 mA	
100 Hz	
-25…+120 °C	
IP 67	
Multi-turn	Mehrgang
Brass	Messing
PTFE	
built-in	integriert

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

Shielded
Bündig
M18 - 8 mm



120 °C



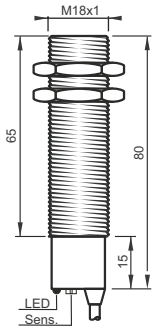
M18x1	
8 mm	
10…30 VDC	
200 mA	
100 Hz	
-25…+120 °C	
IP 67	
Multi-turn	Mehrgang
Brass	Messing
Silicone	Silikon
built-in	integriert

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

Shielded
Bündig
M18 - 8 mm



120 °C



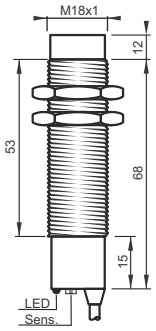
M18x1	
8 mm	
10…30 VDC	
200 mA	
100 Hz	
-25…+120 °C	
IP 67	
Multi-turn	Mehrgang
Brass	Messing
PTFE	
built-in	integriert

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

Unshielded
Nicht bündig
M18 - 15 mm



120 °C



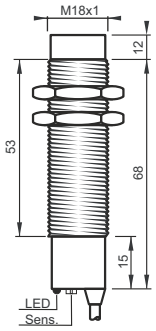
M18x1	
15 mm	
10…30 VDC	
200 mA	
100 Hz	
-25…+120 °C	
IP 67	
Multi-turn	Mehrgang
Brass	Messing
Silicone	Silikon
built-in	integriert

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

Unshielded
Nicht bündig
M18 - 15 mm



120 °C



M18x1	
15 mm	
10…30 VDC	
200 mA	
100 Hz	
-25…+120 °C	
IP 67	
Multi-turn	Mehrgang
Brass	Messing
PTFE	
built-in	integriert

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

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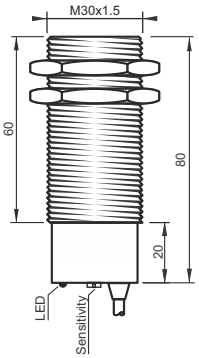
CAPACITIVE

Shielded
Bündig
M30 - 20 mm



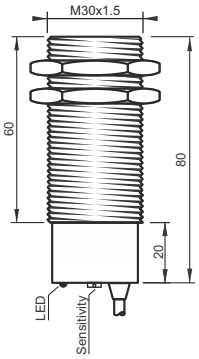
120 °C



Shielded
Bündig
M30 - 20 mm



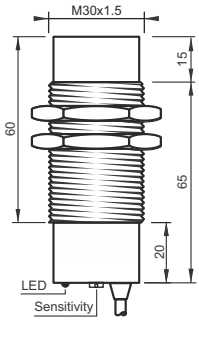
120 °C



Unshielded
Nicht bündig
M30 - 30 mm



120 °C



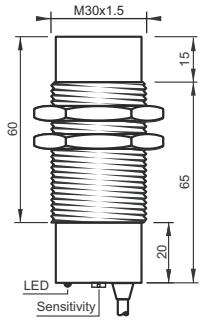
Housing	**Bauform**	**M30x1.5**		**M30x1.5**		**M30x1.5**	
Sensing Distance	Schaltabstand	20 mm		20 mm		30 mm	
Operating Voltage	Betriebsspannung	10…30 VDC		10…30 VDC		10…30 VDC	
Current Load Capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Switching Frequency	Schaltfrequenz	100 Hz		100 Hz		100 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
Part Number | **Artikelnummer**							
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



M30x1.5	
30 mm	
10…30 VDC	
200 mA	
100 Hz	
-25…+120 °C	
IP 67	
Multi-turn	Mehrgang
Brass	Messing
PTFE	
built-in	integriert

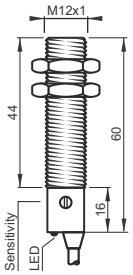
CHT30-N30APO80-A2T
CHT30-N30APC80-A2T
CHT30-N30ANO80-A2T
CHT30-N30ANC80-A2T

Shielded
Bündig
M12 - 4 mm

NEW



150 °C



M12x1	
4 mm	
10…30 VDC	
200 mA	
100 Hz	
-25…+150 °C	
IP 67	
Multi-turn	Mehrgang
Brass	Messing
Silicone	Silikon
built-in	integriert

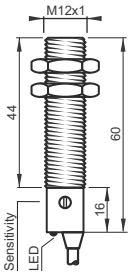
CHT12-S4BPO60-A2S
CHT12-S4BPC60-A2S
CHT12-S4BNO60-A2S
CHT12-S4BNC60-A2S

Shielded
Bündig
M12 - 4 mm

NEW



150 °C



M12x1	
4 mm	
10…30 VDC	
200 mA	
100 Hz	
-25…+150 °C	
IP 67	
Multi-turn	Mehrgang
Brass	Messing
PTFE	
built-in	integriert

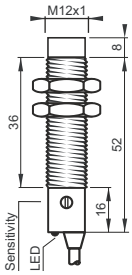
CHT12-S4BPO60-A2T
CHT12-S4BPC60-A2T
CHT12-S4BNO60-A2T
CHT12-S4BNC60-A2T

Unshielded
Nicht bündig
M12 - 8 mm

NEW



150 °C



M12x1	
8 mm	
10…30 VDC	
200 mA	
100 Hz	
-25…+150 °C	
IP 67	
Multi-turn	Mehrgang
Brass	Messing
Silicone	Silikon
built-in	integriert

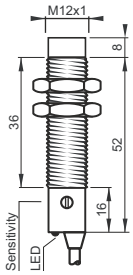
CHT12-N8BPO60-A2S
CHT12-N8BPC60-A2S
CHT12-N8BNO60-A2S
CHT12-N8BNC60-A2S

Unshielded
Nicht bündig
M12 - 8 mm

NEW



150 °C



M12x1	
8 mm	
10…30 VDC	
200 mA	
100 Hz	
-25…+150 °C	
IP 67	
Multi-turn	Mehrgang
Brass	Messing
PTFE	
built-in	integriert

CHT12-N8BPO60-A2T
CHT12-N8BPC60-A2T
CHT12-N8BNO60-A2T
CHT12-N8BNC60-A2T

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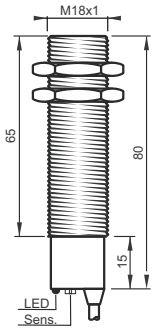
CAPACITIVE

Shielded
Bündig
M18 - 8 mm

NEW



150 °C

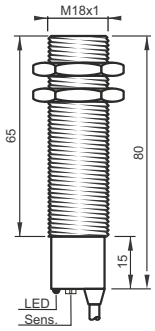


Shielded
Bündig
M18 - 8 mm

NEW



150 °C

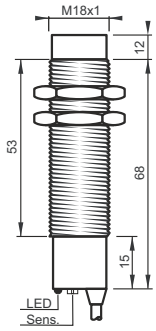


Unshielded
Nicht bündig
M18 - 15 mm

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
Part Number | **Artikelnummer**							
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	

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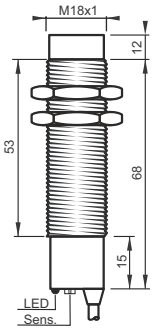
Nur zur mechanischen Justage – bei Temperaturen über 120°C kann die LED ausfallen; LED Funktionalität nicht durch Garantie gedeckt.

Unshielded
Nicht bündig
M18 - 15 mm



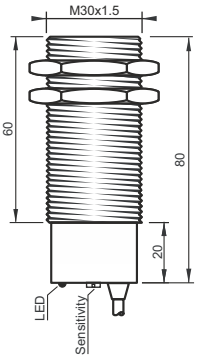
150 °C



Shielded
Bündig
M30 - 20 mm



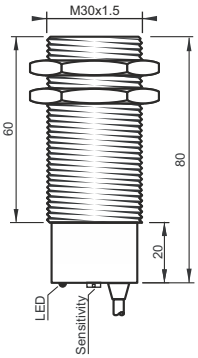
150 °C



Shielded
Bündig
M30 - 20 mm



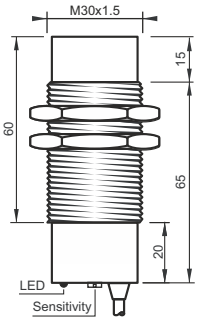
150 °C



Unshielded
Nicht bündig
M30 - 30 mm



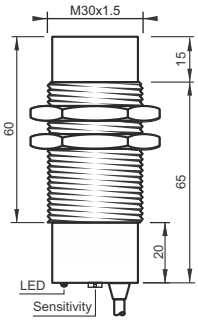
150 °C



Unshielded
Nicht bündig
M30 - 30 mm



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	

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SENSOR CATALOG

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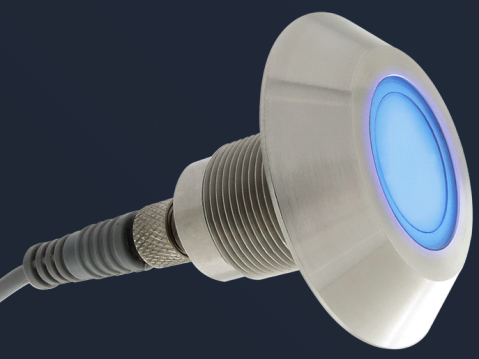
  INDUKTIV
- CAPACITIVE
  KAPAZITIV
- OPTOELECTRONICS
  OPTO-ELEKTRONIK
- TOUCH SWITCHES
  TOUCH TASTER
- LED INDICATORS
  LED ANZEIGEN

XECRO®

inductive • capacitive • optoelectronics • touch 'n indicators



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