

Benefits:

- ▶ Best-in-class sensing distances, e.g.
 - M8, semi-flush, 4 mm
 - M12, semi-flush, 8 mm
 - M18, semi-flush, 15 mm
 - M30, non-flush, 50 mm
- ▶ Short housings, e.g.
 - M8, semi-flush, 4 mm, 18 mm short
 - M12, semi-flush, 6 mm, 22 mm short

Vorteile:

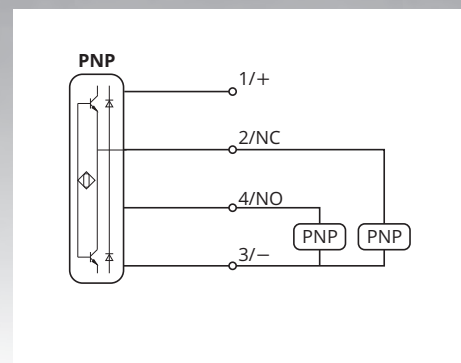
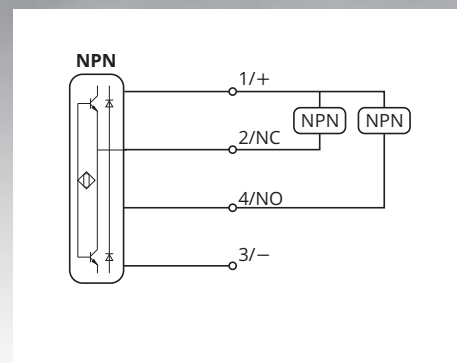
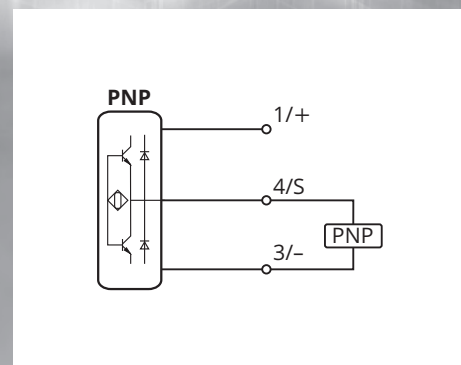
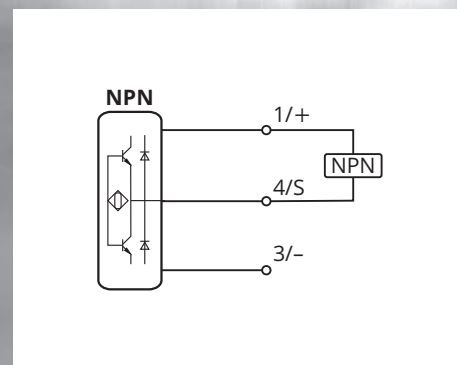
- ▶ Höchste Schaltabstände ihrer Klasse, bspw.
 - M8, quasi-bündig, 4 mm
 - M12, quasi-bündig, 8 mm
 - M18, quasi-bündig, 15 mm
 - M30, nicht bündig, 50 mm
- ▶ Kurze Bauformen, bspw.
 - M8, quasi-bündig, 4 mm, 18 mm kurz
 - M12, quasi-bündig, 6 mm, 22 mm kurz

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

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

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

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



Inductive Sensors 3-Wire DC



Standard Class

The XECRO Standard Sensing Range Class covers all common industry diameters including cuboid with 5×5 mm² and 8×8 mm² cross section respectively. The Standard Class of sensors represents the basic sensing distances of each size. The inductive sensors in the Standard Class are the perfect choice for cost-sensitive applications where longer sensing distances are not required. Even the Standard Class sensors, which are rated to be used between –25...+75 °C (–13...+167 °F) come with a protection class of IP67 and are ideal for general purpose applications.

Standard-Klasse

Die Standard-Schaltabstandklasse von XECRO deckt alle üblichen Durchmesser einschließlich quaderförmige mit 5×5 mm² und 8×8 mm² Querschnitt ab und stellt die Basis-Schaltabstände einer jeden Abmessung dar. Die induktiven Sensoren der Standard-Klasse sind die erste Wahl bei preisempfindlichen Anwendungen, bei denen hohe Schaltabstände sich nicht lohnen. Auch wenn sie die Grundlage bilden, sind alle Sensoren für den Einsatz bei –25...+75 °C (–13...+167 °F) spezifiziert und mit einer Schutzart IP67 ideal für allgemeine Anwendungen.

Increased Class - Extended Class

If mechanical conditions require longer sensing distances, then the Increased and Extended Sensing Range Class offer up to triple sensing distances than the Standard Sensing Range Class. And thus, the available safe distance to the electronics is extended reducing the risk of mechanical damage of the sensors. The electronic circuits for these classes fit into the same housing with the same dimensions as those of the Standard Class.

Erhöht-Klasse - Erweitert-Klasse

Wenn mechanische Bedingungen höhere Schaltabstände erfordern, dann bieten die Schaltabstandklassen Erhöht oder Erweitert bis zu dreifachen Schaltabstände als die Standard-Schaltabstandklasse. Dadurch erhöht sich der zur verfügbare Sicherheitsabstand zur Elektronik, was die Gefahr mechanischer Beschädigung des Sensors mindert. Schaltungen aus diesen Klasse werden in den gleichgroßen Gehäusen wie in der Standard-Klasse verbaut.

Advanced Class

In some environments, extremely large sensing distances are essential for proper operation. Sensors from the outstanding Advanced Class offer the absolute best sensing distances of their type. XECRO builds semi-flush sensors as e.g.

- ▶ M8 with 4mm sensing distance,
- ▶ M12 with 8mm sensing distance and
- ▶ M18 with 15mm sensing distance.

The non-flush sensors in M30 achieve 50 mm sensing distance which is 25% more than our best competitors do within the same housing diameter.

Hochleistung-Klasse

In einigen Umgebungen sind größte Schaltabstände für einen einwandfreien Betrieb entscheidend. Sensoren der herausragenden Hochleistung-Klasse bieten die absolut höchsten Schaltabstände ihrer Art. 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 nichtbündigen Sensoren M30 mit 50 mm Schaltabstand erreichen 25 % mehr als unsere besten Mitbewerber in der gleichen Bauform.

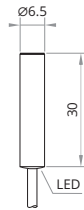
Inductive Proximity Switch 3-Wire DC

Induktive Näherungsschalter 3-Leiter DC

flush
bündig
Ø 6.5 mm | 1 mm



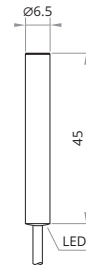
standard
Standard



flush
bündig
Ø 6.5 mm | 1 mm



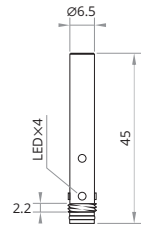
standard
Standard



flush
bündig
Ø 6.5 mm | 1 mm



standard
Standard



Sensing distance S_n	Schaltabstand S_n	1 mm		1 mm		1 mm	
Operating voltage	Betriebsspannung	10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}	
Reverse polarity protection	Verpolungsschutz	built-in	integriert	built-in	integriert	built-in	integriert
Current consumption	Stromverbrauch	<8 mA		<8 mA		<8 mA	
Current load capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Short circuit protection	Kurzschlusschutz	built-in	integriert	built-in	integriert	built-in	integriert
Voltage drop	Spannungsabfall	<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA	
Switching frequency	Schaltfrequenz	2000 Hz		2000 Hz		2000 Hz	
Reduction factors	Reduktionsfaktoren	Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85	
Operating temperature	Betriebstemperatur	-25...+75 °C		-25...+75 °C		-25...+75 °C	
Protection class	Schutzklasse	IP67		IP67		IP67	
Sensing face material	Sensorflächenwerkstoff	POM		POM		POM	
Housing material	Gehäusewerkstoff	SS304	V2A	SS304	V2A	SS304	V2A
Switching indicator	Schaltanzeige	built-in	integriert	built-in	integriert	built-in	integriert
Connection	Anschluss	PVC, ultra-flex		PVC, ultra-flex		conn. M8	Stecker M8
Article code PNP, NO	┌─	IPSD6-S1PO30-A2P		IPSD6-S1PO45-A2P		IPSD6-S1PO45-A8	
Article code PNP, NC	└─	IPSD6-S1PC30-A2P		IPSD6-S1PC45-A2P		IPSD6-S1PC45-A8	
Article code PNP, NO+NC	┌─+ └─						
Article code NPN, NO	┌─	IPSD6-S1NO30-A2P		IPSD6-S1NO45-A2P		IPSD6-S1NO45-A8	
Article code NPN, NC	└─	IPSD6-S1NC30-A2P		IPSD6-S1NC45-A2P		IPSD6-S1NC45-A8	
Article code NPN, NO+NC	┌─+ └─						

flush
bündig
Ø 6.5 mm | 1 mm



flush
bündig
Ø 6.5 mm | 1 mm



non-flush
nicht bündig
Ø 6.5 mm | 2 mm



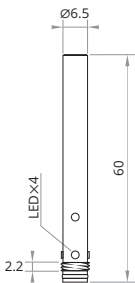
non-flush
nicht bündig
Ø 6.5 mm | 2 mm



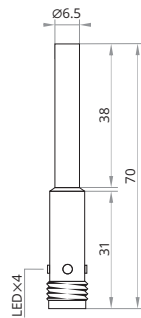
non-flush
nicht bündig
Ø 6.5 mm | 2 mm



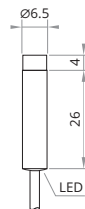
standard
Standard



standard
Standard



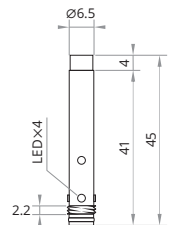
standard
Standard



standard
Standard



standard
Standard



1 mm		1 mm		2 mm		2 mm		2 mm	
10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}	
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
<8 mA		<8 mA		<8 mA		<8 mA		<8 mA	
200 mA		200 mA		200 mA		200 mA		200 mA	
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA	
2000 Hz		2000 Hz		2000 Hz		2000 Hz		2000 Hz	
Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85	
-25...+75 °C		-25...+75 °C		-25...+75 °C		-25...+75 °C		-25...+75 °C	
IP67		IP67		IP67		IP67		IP67	
POM		POM		POM		POM		POM	
SS304	V2A	SS304	V2A	SS304	V2A	SS304	V2A	SS304	V2A
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
conn. M8	Stecker M8	conn. M12	Stecker M12	PVC, ultra-flex		PVC, ultra-flex		conn. M8	Stecker M8
IPSD6-S1PO60-A8		IPSD6-S1PO70-A12		IPSD6-N2PO30-A2P		IPSD6-N2PO45-A2P		IPSD6-N2PO45-A8	
IPSD6-S1PC60-A8		IPSD6-S1PC70-A12		IPSD6-N2PC30-A2P		IPSD6-N2PC45-A2P		IPSD6-N2PC45-A8	
IPSD6-S1NO60-A8		IPSD6-S1NO70-A12		IPSD6-N2NO30-A2P		IPSD6-N2NO45-A2P		IPSD6-N2NO45-A8	
IPSD6-S1NC60-A8		IPSD6-S1NC70-A12		IPSD6-N2NC30-A2P		IPSD6-N2NC45-A2P		IPSD6-N2NC45-A8	

XECRO reserves the right to make minor changes without prior notification.
XECRO behält sich das Recht auf geringe Änderungen ohne Ankündigung vor.

Inductive Proximity Switch 3-Wire DC

Induktive Näherungsschalter 3-Leiter DC

non-flush
nicht bündig
Ø 6.5 mm | 2 mm



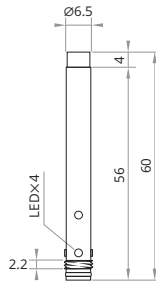
non-flush
nicht bündig
Ø 6.5 mm | 2 mm



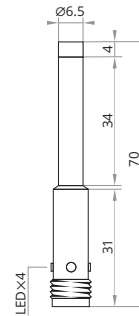
flush
bündig
Ø 6.5 mm | 2 mm



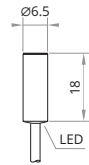
standard
Standard



standard
Standard



increased
erhöht



Sensing distance S_n	Schaltabstand S_n	2 mm		2 mm		2 mm	
Operating voltage	Betriebsspannung	10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}	
Reverse polarity protection	Verpolungsschutz	built-in	integriert	built-in	integriert	built-in	integriert
Current consumption	Stromverbrauch	<8 mA		<8 mA		<8 mA	
Current load capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Short circuit protection	Kurzschlusschutz	built-in	integriert	built-in	integriert	built-in	integriert
Voltage drop	Spannungsabfall	<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA	
Switching frequency	Schaltfrequenz	2000 Hz		2000 Hz		2000 Hz	
Reduction factors	Reduktionsfaktoren	Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85	
Operating temperature	Betriebstemperatur	-25...+75 °C		-25...+75 °C		-25...+75 °C	
Protection class	Schutzklasse	IP67		IP67		IP67	
Sensing face material	Sensorflächenwerkstoff	POM		POM		POM	
Housing material	Gehäusewerkstoff	SS304	V2A	SS304	V2A	SS304	V2A
Switching indicator	Schaltanzeige	built-in	integriert	built-in	integriert	built-in	integriert
Connection	Anschluss	conn. M8	Stecker M8	conn. M12	Stecker M12	PVC, ultra-flex	
Article code PNP, NO	┌─	IPSD6-N2PO60-A8		IPSD6-N2PO70-A12		IPSD6-S2PO18-A2P	
Article code PNP, NC	└─	IPSD6-N2PC60-A8		IPSD6-N2PC70-A12		IPSD6-S2PC18-A2P	
Article code PNP, NO+NC	┌─+└─						
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Article code NPN, NC	└─	IPSD6-N2NC60-A8		IPSD6-N2NC70-A12		IPSD6-S2NC18-A2P	
Article code NPN, NO+NC	┌─+└─						

flush
bündig
Ø 6.5 mm | 2 mm



flush
bündig
Ø 6.5 mm | 2 mm



flush
bündig
Ø 6.5 mm | 2 mm



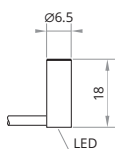
flush
bündig
Ø 6.5 mm | 2 mm



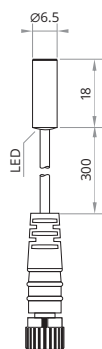
flush
bündig
Ø 6.5 mm | 2 mm



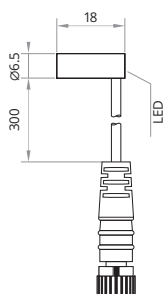
increased
erhöht



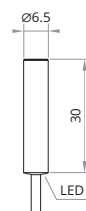
increased
erhöht



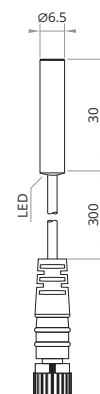
increased
erhöht



increased
erhöht



increased
erhöht



2 mm		2 mm		2 mm		2 mm		2 mm	
10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}	
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
<8 mA		<8 mA		<8 mA		<8 mA		<8 mA	
200 mA		200 mA		200 mA		200 mA		200 mA	
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA	
2000 Hz		2000 Hz		2000 Hz		2000 Hz		2000 Hz	
Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85	
-25...+75 °C		-25...+75 °C		-25...+75 °C		-25...+75 °C		-25...+75 °C	
IP67		IP67		IP67		IP67		IP67	
POM		POM		POM		POM		POM	
SS304	V2A	SS304	V2A	SS304	V2A	SS304	V2A	SS304	V2A
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
PVC, ultra-flex		PUR, 300 mm, M8		PUR, 300 mm, M8		PVC, ultra-flex		PUR, 300 mm, M8	
IPSD6-S2PO18-RA2P		IPSD6-S2PO18-3U8		IPSD6-S2PO18-R3U8		IPSD6-S2PO30-A2P		IPSD6-S2PO30-3U8	
IPSD6-S2PC18-RA2P		IPSD6-S2PC18-3U8		IPSD6-S2PC18-R3U8		IPSD6-S2PC30-A2P		IPSD6-S2PC30-3U8	
IPSD6-S2NO18-RA2P		IPSD6-S2NO18-3U8		IPSD6-S2NO18-R3U8		IPSD6-S2NO30-A2P		IPSD6-S2NO30-3U8	
IPSD6-S2NC18-RA2P		IPSD6-S2NC18-3U8		IPSD6-S2NC18-R3U8		IPSD6-S2NC30-A2P		IPSD6-S2NC30-3U8	

Inductive Proximity Switch 3-Wire DC

Induktive Näherungsschalter 3-Leiter DC

flush
bündig
Ø 6.5 mm | 2 mm



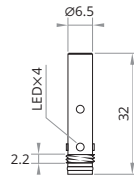
flush
bündig
Ø 6.5 mm | 2 mm



flush
bündig
Ø 6.5 mm | 2 mm



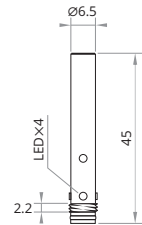
increased
erhöht



increased
erhöht



increased
erhöht



Sensing distance S_n	Schaltabstand S_n	2 mm		2 mm		2 mm	
Operating voltage	Betriebsspannung	10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}	
Reverse polarity protection	Verpolungsschutz	built-in	integriert	built-in	integriert	built-in	integriert
Current consumption	Stromverbrauch	<8 mA		<8 mA		<8 mA	
Current load capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Short circuit protection	Kurzschlusschutz	built-in	integriert	built-in	integriert	built-in	integriert
Voltage drop	Spannungsabfall	<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA	
Switching frequency	Schaltfrequenz	2000 Hz		2000 Hz		2000 Hz	
Reduction factors	Reduktionsfaktoren	Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85	
Operating temperature	Betriebstemperatur	-25...+75 °C		-25...+75 °C		-25...+75 °C	
Protection class	Schutzklasse	IP67		IP67		IP67	
Sensing face material	Sensorflächenwerkstoff	POM		POM		POM	
Housing material	Gehäusewerkstoff	SS304	V2A	SS304	V2A	SS304	V2A
Switching indicator	Schaltanzeige	built-in	integriert	built-in	integriert	built-in	integriert
Connection	Anschluss	conn. M8	Stecker M8	PVC, ultra-flex		conn. M8	Stecker M8
Article code PNP, NO	┌─	IPSD6-S2PO32-A8		IPSD6-S2PO45-A2P		IPSD6-S2PO45-A8	
Article code PNP, NC	└─	IPSD6-S2PC32-A8		IPSD6-S2PC45-A2P		IPSD6-S2PC45-A8	
Article code PNP, NO+NC	┌─+ └─						
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Article code NPN, NC	└─	IPSD6-S2NC32-A8		IPSD6-S2NC45-A2P		IPSD6-S2NC45-A8	
Article code NPN, NO+NC	┌─+ └─						

flush
bündig
Ø 6.5 mm | 2 mm



flush
bündig
Ø 6.5 mm | 2 mm



semi-flush
quasi-bündig
Ø 6.5 mm | 3 mm



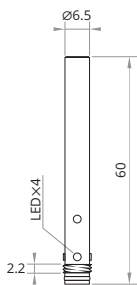
semi-flush
quasi-bündig
Ø 6.5 mm | 3 mm



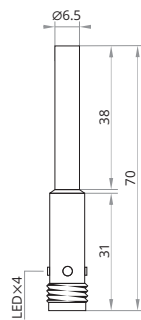
semi-flush
quasi-bündig
Ø 6.5 mm | 3 mm



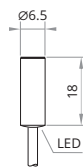
increased
erhöht



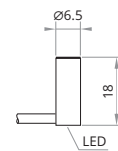
increased
erhöht



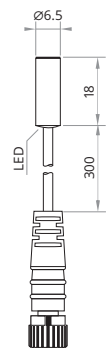
extended
erweitert



extended
erweitert



extended
erweitert



2 mm		2 mm		3 mm		3 mm		3 mm	
10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}	
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
<8 mA		<8 mA		<8 mA		<8 mA		<8 mA	
200 mA		200 mA		200 mA		200 mA		200 mA	
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA	
2000 Hz		2000 Hz		1000 Hz		1000 Hz		1000 Hz	
Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85	
-25...+75 °C		-25...+75 °C		-25...+75 °C		-25...+75 °C		-25...+75 °C	
IP67		IP67		IP67		IP67		IP67	
POM		POM		POM		POM		POM	
SS304	V2A	SS304	V2A	SS304	V2A	SS304	V2A	SS304	V2A
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
conn. M8	Stecker M8	conn. M12	Stecker M12	PVC, ultra-flex		PVC, ultra-flex		PUR, 300 mm, M8	
IPSD6-S2PO60-A8		IPSD6-S2PO70-A12		IPSD6-S3PO18-A2P		IPSD6-S3PO18-RA2P		IPSD6-S3PO18-3U8	
IPSD6-S2PC60-A8		IPSD6-S2PC70-A12		IPSD6-S3PC18-A2P		IPSD6-S3PC18-RA2P		IPSD6-S3PC18-3U8	
IPSD6-S2NO60-A8		IPSD6-S2NO70-A12		IPSD6-S3NO18-A2P		IPSD6-S3NO18-RA2P		IPSD6-S3NO18-3U8	
IPSD6-S2NC60-A8		IPSD6-S2NC70-A12		IPSD6-S3NC18-A2P		IPSD6-S3NC18-RA2P		IPSD6-S3NC18-3U8	

Inductive Proximity Switch 3-Wire DC

Induktive Näherungsschalter 3-Leiter DC

semi-flush
quasi-bündig
Ø 6.5 mm | 3 mm



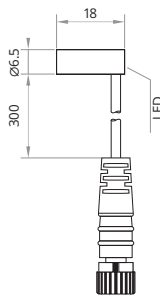
semi-flush
quasi-bündig
Ø 6.5 mm | 3 mm



semi-flush
quasi-bündig
Ø 6.5 mm | 3 mm



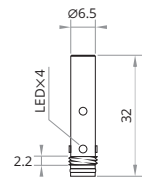
extended
erweitert



extended
erweitert



extended
erweitert



Sensing distance S_n	Schaltabstand S_n	3 mm		3 mm		3 mm	
Operating voltage	Betriebsspannung	10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}	
Reverse polarity protection	Verpolungsschutz	built-in	integriert	built-in	integriert	built-in	integriert
Current consumption	Stromverbrauch	<8 mA		<8 mA		<8 mA	
Current load capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Short circuit protection	Kurzschlusschutz	built-in	integriert	built-in	integriert	built-in	integriert
Voltage drop	Spannungsabfall	<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA	
Switching frequency	Schaltfrequenz	1000 Hz		1000 Hz		1000 Hz	
Reduction factors	Reduktionsfaktoren	Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85	
Operating temperature	Betriebstemperatur	-25...+75 °C		-25...+75 °C		-25...+75 °C	
Protection class	Schutzklasse	IP67		IP67		IP67	
Sensing face material	Sensorflächenwerkstoff	POM		POM		POM	
Housing material	Gehäusewerkstoff	SS304	V2A	SS304	V2A	SS304	V2A
Switching indicator	Schaltanzeige	built-in	integriert	built-in	integriert	built-in	integriert
Connection	Anschluss	PUR, 300 mm, M8		PVC, ultra-flex		conn. M8	Stecker M8
Article code PNP, NO	┌─	IPSD6-S3PO18-R3U8		IPSD6-S3PO30-A2P		IPSD6-S3PO32-A8	
Article code PNP, NC	└─	IPSD6-S3PC18-R3U8		IPSD6-S3PC30-A2P		IPSD6-S3PC32-A8	
Article code PNP, NO+NC	┌─+ └─						
Article code NPN, NO	┌─	IPSD6-S3NO18-R3U8		IPSD6-S3NO30-A2P		IPSD6-S3NO32-A8	
Article code NPN, NC	└─	IPSD6-S3NC18-R3U8		IPSD6-S3NC30-A2P		IPSD6-S3NC32-A8	
Article code NPN, NO+NC	┌─+ └─						

semi-flush
quasi-bündig
Ø 6.5 mm | 3 mm



semi-flush
quasi-bündig
Ø 6.5 mm | 3 mm



semi-flush
quasi-bündig
Ø 6.5 mm | 3 mm



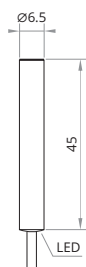
semi-flush
quasi-bündig
Ø 6.5 mm | 3 mm



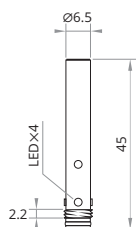
semi-flush
quasi-bündig
Ø 6.5 mm | 3 mm



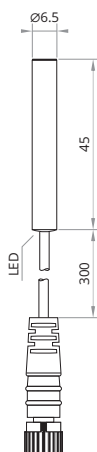
extended
erweitert



extended
erweitert



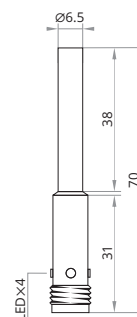
extended
erweitert



extended
erweitert



extended
erweitert



3 mm		3 mm		3 mm		3 mm		3 mm	
10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}	
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
<8 mA		<8 mA		<8 mA		<8 mA		<8 mA	
200 mA		200 mA		200 mA		200 mA		200 mA	
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA	
1000 Hz		1000 Hz		1000 Hz		1000 Hz		1000 Hz	
Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85	
-25...+75 °C		-25...+75 °C		-25...+75 °C		-25...+75 °C		-25...+75 °C	
IP67		IP67		IP67		IP67		IP67	
POM		POM		POM		POM		POM	
SS304	V2A	SS304	V2A	SS304	V2A	SS304	V2A	SS304	V2A
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
PVC, ultra-flex		conn. M8	Stecker M8	PVC, ultra-flex		conn. M8	Stecker M8	conn. M12	Stecker M12
IPSD6-S3PO45-A2P		IPSD6-S3PO45-A8		IPSD6-S3PO45-3U8		IPSD6-S3PO60-A8		IPSD6-S3PO70-A12	
IPSD6-S3PC45-A2P		IPSD6-S3PC45-A8		IPSD6-S3PC45-3U8		IPSD6-S3PC60-A8		IPSD6-S3PC70-A12	
IPSD6-S3NO45-A2P		IPSD6-S3NO45-A8		IPSD6-S3NO45-3U8		IPSD6-S3NO60-A8		IPSD6-S3NO70-A12	
IPSD6-S3NC45-A2P		IPSD6-S3NC45-A8		IPSD6-S3NC45-3U8		IPSD6-S3NC60-A8		IPSD6-S3NC70-A12	

XECRO reserves the right to make minor changes without prior notification.
XECRO behält sich das Recht auf geringe Änderungen ohne Ankündigung vor.

Inductive Proximity Switch 3-Wire DC

Induktive Näherungsschalter 3-Leiter DC

non-flush
nicht bündig
Ø 6.5 mm | 4 mm



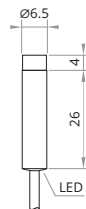
non-flush
nicht bündig
Ø 6.5 mm | 4 mm



non-flush
nicht bündig
Ø 6.5 mm | 4 mm



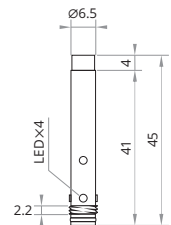
increased
erhöht



increased
erhöht



increased
erhöht



Sensing distance S_n	Schaltabstand S_n	4 mm		4 mm		4 mm	
Operating voltage	Betriebsspannung	10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}	
Reverse polarity protection	Verpolungsschutz	built-in	integriert	built-in	integriert	built-in	integriert
Current consumption	Stromverbrauch	<8 mA		<8 mA		<8 mA	
Current load capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Short circuit protection	Kurzschlusschutz	built-in	integriert	built-in	integriert	built-in	integriert
Voltage drop	Spannungsabfall	<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA	
Switching frequency	Schaltfrequenz	1000 Hz		1000 Hz		1000 Hz	
Reduction factors	Reduktionsfaktoren	Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85	
Operating temperature	Betriebstemperatur	-25...+75 °C		-25...+75 °C		-25...+75 °C	
Protection class	Schutzklasse	IP67		IP67		IP67	
Sensing face material	Sensorflächenwerkstoff	POM		POM		POM	
Housing material	Gehäusewerkstoff	SS304	V2A	SS304	V2A	SS304	V2A
Switching indicator	Schaltanzeige	built-in	integriert	built-in	integriert	built-in	integriert
Connection	Anschluss	PVC, ultra-flex		PVC, ultra-flex		conn. M8	Stecker M8
Article code PNP, NO	┌—	IPSD6-N4PO30-A2P		IPSD6-N4PO45-A2P		IPSD6-N4PO45-A8	
Article code PNP, NC	└—	IPSD6-N4PC30-A2P		IPSD6-N4PC45-A2P		IPSD6-N4PC45-A8	
Article code PNP, NO+NC	┌—+└—						
Article code NPN, NO	┌—	IPSD6-N4NO30-A2P		IPSD6-N4NO45-A2P		IPSD6-N4NO45-A8	
Article code NPN, NC	└—	IPSD6-N4NC30-A2P		IPSD6-N4NC45-A2P		IPSD6-N4NC45-A8	
Article code NPN, NO+NC	┌—+└—						

non-flush
nicht bündig
Ø 6.5 mm | 4 mm



non-flush
nicht bündig
Ø 6.5 mm | 4 mm



non-flush
nicht bündig
Ø 6.5 mm | 6 mm



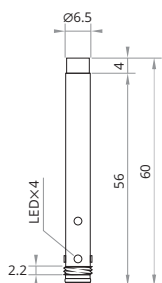
non-flush
nicht bündig
Ø 6.5 mm | 6 mm



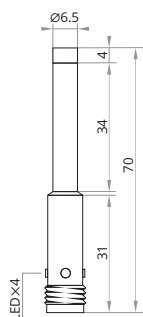
non-flush
nicht bündig
Ø 6.5 mm | 6 mm



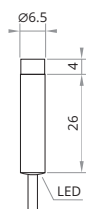
increased
erhöht



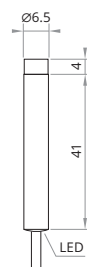
increased
erhöht



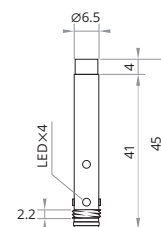
extended
erweitert



extended
erweitert



extended
erweitert



4 mm		4 mm		6 mm		6 mm		6 mm	
10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}	
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
<8 mA		<8 mA		<8 mA		<8 mA		<8 mA	
200 mA		200 mA		200 mA		200 mA		200 mA	
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA	
1000 Hz		1000 Hz		500 Hz		500 Hz		500 Hz	
Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85	
-25...+75 °C		-25...+75 °C		-25...+75 °C		-25...+75 °C		-25...+75 °C	
IP67		IP67		IP67		IP67		IP67	
POM		POM		POM		POM		POM	
SS304	V2A	SS304	V2A	SS304	V2A	SS304	V2A	SS304	V2A
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
conn. M8	Stecker M8	conn. M12	Stecker M12	PVC, ultra-flex		PVC, ultra-flex		conn. M8	Stecker M8
IPSD6-N4PO60-A8		IPSD6-N4PO70-A12		IPSD6-N6PO30-A2P		IPSD6-N6PO45-A2P		IPSD6-N6PO45-A8	
IPSD6-N4PC60-A8		IPSD6-N4PC70-A12		IPSD6-N6PC30-A2P		IPSD6-N6PC45-A2P		IPSD6-N6PC45-A8	
IPSD6-N4NO60-A8		IPSD6-N4NO70-A12		IPSD6-N6NO30-A2P		IPSD6-N6NO45-A2P		IPSD6-N6NO45-A8	
IPSD6-N4NC60-A8		IPSD6-N4NC70-A12		IPSD6-N6NC30-A2P		IPSD6-N6NC45-A2P		IPSD6-N6NC45-A8	

XECRO reserves the right to make minor changes without prior notification.
XECRO behält sich das Recht auf geringe Änderungen ohne Ankündigung vor.

Inductive Proximity Switch 3-Wire DC

Induktive Näherungsschalter 3-Leiter DC

non-flush
nicht bündig
Ø 6.5 mm | 6 mm



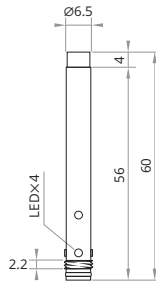
non-flush
nicht bündig
Ø 6.5 mm | 6 mm



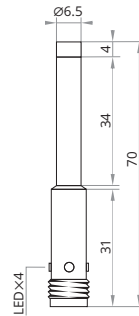
flush
bündig
M8x1 | 1 mm



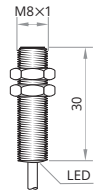
extended
erweitert



extended
erweitert



standard
Standard



Sensing distance S_n	Schaltabstand S_n	6 mm		6 mm		1 mm	
Operating voltage	Betriebsspannung	10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}	
Reverse polarity protection	Verpolungsschutz	built-in	integriert	built-in	integriert	built-in	integriert
Current consumption	Stromverbrauch	<8 mA		<8 mA		<8 mA	
Current load capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Short circuit protection	Kurzschlusschutz	built-in	integriert	built-in	integriert	built-in	integriert
Voltage drop	Spannungsabfall	<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA	
Switching frequency	Schaltfrequenz	500 Hz		500 Hz		2000 Hz	
Reduction factors	Reduktionsfaktoren	Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85	
Operating temperature	Betriebstemperatur	-25...+75 °C		-25...+75 °C		-25...+75 °C	
Protection class	Schutzklasse	IP67		IP67		IP67	
Sensing face material	Sensorflächenwerkstoff	POM		POM		POM	
Housing material	Gehäusewerkstoff	SS304	V2A	SS304	V2A	SS304	V2A
Switching indicator	Schaltanzeige	built-in	integriert	built-in	integriert	built-in	integriert
Connection	Anschluss	conn. M8	Stecker M8	conn. M12	Stecker M12	PVC, ultra-flex	
Article code PNP, NO	┌─	IPSD6-N6PO60-A8		IPSD6-N6PO70-A12		IPS8-S1PO30-A2P	
Article code PNP, NC	└─	IPSD6-N6PC60-A8		IPSD6-N6PC70-A12		IPS8-S1PC30-A2P	
Article code PNP, NO+NC	┌─+└─						
Article code NPN, NO	┌─	IPSD6-N6NO60-A8		IPSD6-N6NO70-A12		IPS8-S1NO30-A2P	
Article code NPN, NC	└─	IPSD6-N6NC60-A8		IPSD6-N6NC70-A12		IPS8-S1NC30-A2P	
Article code NPN, NO+NC	┌─+└─						

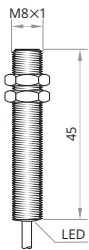
Mind O≠0, I≠I≠1, S≠5, B≠8.

O≠0, I≠I≠1, S≠5, B≠8 beachten.

flush
bündig
M8x1 | 1 mm



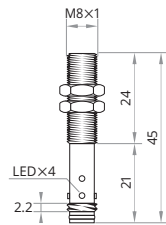
standard
Standard



flush
bündig
M8x1 | 1 mm



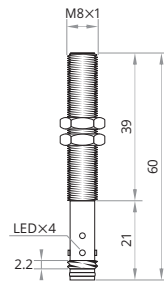
standard
Standard



flush
bündig
M8x1 | 1 mm



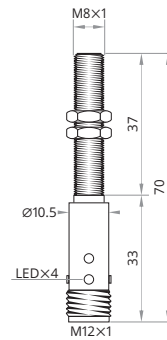
standard
Standard



flush
bündig
M8x1 | 1 mm



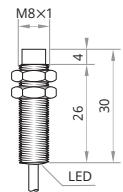
standard
Standard



non-flush
nicht bündig
M8x1 | 2 mm



standard
Standard



1 mm		1 mm		1 mm		1 mm		2 mm	
10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}	
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
<8 mA		<8 mA		<8 mA		<8 mA		<8 mA	
200 mA		200 mA		200 mA		200 mA		200 mA	
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA	
2000 Hz		2000 Hz		2000 Hz		2000 Hz		2000 Hz	
Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85	
-25...+75 °C		-25...+75 °C		-25...+75 °C		-25...+75 °C		-25...+75 °C	
IP67		IP67		IP67		IP67		IP67	
POM		POM		POM		POM		POM	
SS304	V2A	SS304	V2A	SS304	V2A	SS304	V2A	SS304	V2A
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
PVC, ultra-flex		conn. M8	Stecker M8	conn. M8	Stecker M8	conn. M12	Stecker M12	PVC, ultra-flex	
IPS8-S1PO45-A2P		IPS8-S1PO45-A8		IPS8-S1PO60-A8		IPS8-S1PO70-A12		IPS8-N2PO30-A2P	
IPS8-S1PC45-A2P		IPS8-S1PC45-A8		IPS8-S1PC60-A8		IPS8-S1PC70-A12		IPS8-N2PC30-A2P	
IPS8-S1NO45-A2P		IPS8-S1NO45-A8		IPS8-S1NO60-A8		IPS8-S1NO70-A12		IPS8-N2NO30-A2P	
IPS8-S1NC45-A2P		IPS8-S1NC45-A8		IPS8-S1NC60-A8		IPS8-S1NC70-A12		IPS8-N2NC30-A2P	

XECRO reserves the right to make minor changes without prior notification.
XECRO behält sich das Recht auf geringe Änderungen ohne Ankündigung vor.

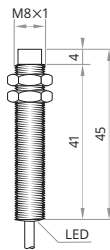
Inductive Proximity Switch 3-Wire DC

Induktive Näherungsschalter 3-Leiter DC

non-flush
nicht bündig
M8×1 | 2 mm



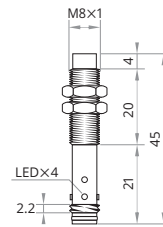
standard
Standard



non-flush
nicht bündig
M8×1 | 2 mm



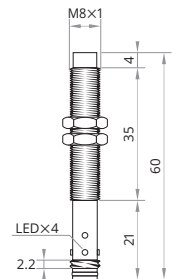
standard
Standard



non-flush
nicht bündig
M8×1 | 2 mm



standard
Standard



Sensing distance S_n	Schaltabstand S_n	2 mm	2 mm	2 mm
Operating voltage	Betriebsspannung	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}
Reverse polarity protection	Verpolungsschutz	built-in integriert	built-in integriert	built-in integriert
Current consumption	Stromverbrauch	<8 mA	<8 mA	<8 mA
Current load capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA
Short circuit protection	Kurzschlusschutz	built-in integriert	built-in integriert	built-in integriert
Voltage drop	Spannungsabfall	<1.5 V @ 200 mA	<1.5 V @ 200 mA	<1.5 V @ 200 mA
Switching frequency	Schaltfrequenz	2000 Hz	2000 Hz	2000 Hz
Reduction factors	Reduktionsfaktoren	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85
Operating temperature	Betriebstemperatur	-25...+75 °C	-25...+75 °C	-25...+75 °C
Protection class	Schutzklasse	IP67	IP67	IP67
Sensing face material	Sensorflächenwerkstoff	POM	POM	POM
Housing material	Gehäusewerkstoff	SS304 V2A	SS304 V2A	SS304 V2A
Switching indicator	Schaltanzeige	built-in integriert	built-in integriert	built-in integriert
Connection	Anschluss	PVC, ultra-flex	conn. M8 Stecker M8	conn. M8 Stecker M8
Article code PNP, NO	┌─	IPS8-N2PO45-A2P	IPS8-N2PO45-A8	IPS8-N2PO60-A8
Article code PNP, NC	└─	IPS8-N2PC45-A2P	IPS8-N2PC45-A8	IPS8-N2PC60-A8
Article code PNP, NO+NC	┌─+ └─			
Article code NPN, NO	┌─	IPS8-N2NO45-A2P	IPS8-N2NO45-A8	IPS8-N2NO60-A8
Article code NPN, NC	└─	IPS8-N2NC45-A2P	IPS8-N2NC45-A8	IPS8-N2NC60-A8
Article code NPN, NO+NC	┌─+ └─			

non-flush
nicht bündig
M8×1 | 2 mm



flush
bündig
M8×1 | 2 mm



flush
bündig
M8×1 | 2 mm



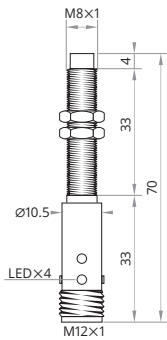
flush
bündig
M8×1 | 2 mm



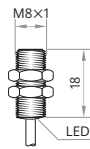
flush
bündig
M8×1 | 2 mm



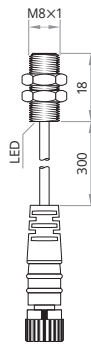
standard
Standard



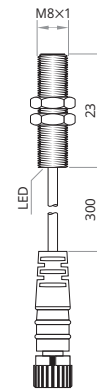
increased
erhöht



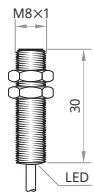
increased
erhöht



increased
erhöht



increased
erhöht



2 mm		2 mm		2 mm		2 mm		2 mm	
10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}	
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
<8 mA		<8 mA		<8 mA		<8 mA		<8 mA	
200 mA		200 mA		200 mA		200 mA		200 mA	
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA	
2000 Hz		2000 Hz		2000 Hz		2000 Hz		2000 Hz	
Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85	
-25...+75 °C		-25...+75 °C		-25...+75 °C		-25...+75 °C		-25...+75 °C	
IP67		IP67		IP67		IP67		IP67	
POM		POM		POM		POM		POM	
SS304	V2A	SS304	V2A	SS304	V2A	SS304	V2A	SS304	V2A
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
conn. M12	Stecker M12	PVC, ultra-flex		PUR, 300 mm, M8		PUR, 300 mm, M8		PVC, ultra-flex	
IPS8-N2PO70-A12		IPS8-S2PO18-A2P		IPS8-S2PO18-3U8		IPS8-S2PO30-3U8		IPS8-S2PO30-A2P	
IPS8-N2PC70-A12		IPS8-S2PC18-A2P		IPS8-S2PC18-3U8		IPS8-S2PC30-3U8		IPS8-S2PC30-A2P	
IPS8-N2NO70-A12		IPS8-S2NO18-A2P		IPS8-S2NO18-3U8		IPS8-S2NO30-3U8		IPS8-S2NO30-A2P	
IPS8-N2NC70-A12		IPS8-S2NC18-A2P		IPS8-S2NC18-3U8		IPS8-S2NC30-3U8		IPS8-S2NC30-A2P	

Inductive Proximity Switch 3-Wire DC

Induktive Näherungsschalter 3-Leiter DC

flush
bündig
M8×1 | 2 mm



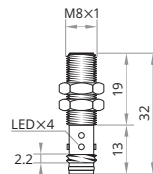
flush
bündig
M8×1 | 2 mm



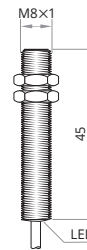
flush
bündig
M8×1 | 2 mm



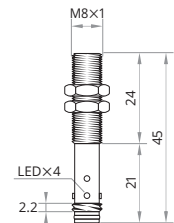
increased
erhöht



increased
erhöht



increased
erhöht



Sensing distance S_n	Schaltabstand S_n	2 mm		2 mm		2 mm	
Operating voltage	Betriebsspannung	10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}	
Reverse polarity protection	Verpolungsschutz	built-in	integriert	built-in	integriert	built-in	integriert
Current consumption	Stromverbrauch	<8 mA		<8 mA		<8 mA	
Current load capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Short circuit protection	Kurzschlusschutz	built-in	integriert	built-in	integriert	built-in	integriert
Voltage drop	Spannungsabfall	<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA	
Switching frequency	Schaltfrequenz	2000 Hz		2000 Hz		2000 Hz	
Reduction factors	Reduktionsfaktoren	Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85	
Operating temperature	Betriebstemperatur	-25...+75 °C		-25...+75 °C		-25...+75 °C	
Protection class	Schutzklasse	IP67		IP67		IP67	
Sensing face material	Sensorflächenwerkstoff	POM		POM		POM	
Housing material	Gehäusewerkstoff	SS304	V2A	SS304	V2A	SS304	V2A
Switching indicator	Schaltanzeige	built-in	integriert	built-in	integriert	built-in	integriert
Connection	Anschluss	conn. M8	Stecker M8	PVC, ultra-flex		conn. M8	Stecker M8
Article code PNP, NO	┌─	IPS8-S2PO32-A8		IPS8-S2PO45-A2P		IPS8-S2PO45-A8	
Article code PNP, NC	└─	IPS8-S2PC32-A8		IPS8-S2PC45-A2P		IPS8-S2PC45-A8	
Article code PNP, NO+NC	┌─+└─						
Article code NPN, NO	┌─	IPS8-S2NO32-A8		IPS8-S2NO45-A2P		IPS8-S2NO45-A8	
Article code NPN, NC	└─	IPS8-S2NC32-A8		IPS8-S2NC45-A2P		IPS8-S2NC45-A8	
Article code NPN, NO+NC	┌─+└─						

flush
bündig
M8×1 | 2 mm



flush
bündig
M8×1 | 2 mm



flush
bündig
M8×1 | 2 mm



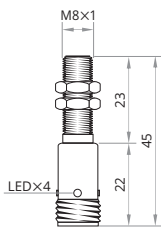
semi-flush
quasi-bündig
M8×1 | 3 mm



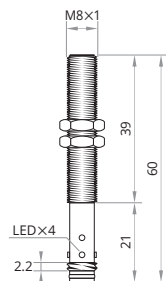
semi-flush
quasi-bündig
M8×1 | 3 mm



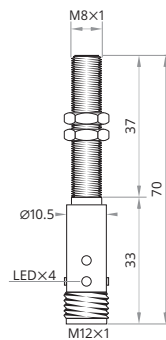
increased
erhöht



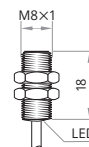
increased
erhöht



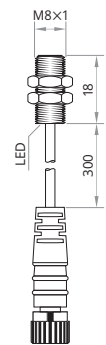
increased
erhöht



extended
erweitert



extended
erweitert



2 mm		2 mm		2 mm		3 mm		3 mm	
10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}	
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
<8 mA		<8 mA		<8 mA		<8 mA		<8 mA	
200 mA		200 mA		200 mA		200 mA		200 mA	
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA	
2000 Hz		2000 Hz		2000 Hz		1000 Hz		1000 Hz	
Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85	
-25...+75 °C		-25...+75 °C		-25...+75 °C		-25...+75 °C		-25...+75 °C	
IP67		IP67		IP67		IP67		IP67	
POM		POM		POM		POM		POM	
SS304	V2A	SS304	V2A	SS304	V2A	SS304	V2A	SS304	V2A
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
conn. M12	Stecker M12	conn. M8	Stecker M8	conn. M12	Stecker M12	PVC, ultra-flex		PUR, 300 mm, M8	
IPS8-S2PO45-A12		IPS8-S2PO60-A8		IPS8-S2PO70-A12		IPS8-S3PO18-A2P		IPS8-S3PO18-3U8	
IPS8-S2PC45-A12		IPS8-S2PC60-A8		IPS8-S2PC70-A12		IPS8-S3PC18-A2P		IPS8-S3PC18-3U8	
		IPS8-S2PCO60-A8		IPS8-S2PCO70-A12					
IPS8-S2NO45-A12		IPS8-S2NO60-A8		IPS8-S2NO70-A12		IPS8-S3NO18-A2P		IPS8-S3NO18-3U8	
IPS8-S2NC45-A12		IPS8-S2NC60-A8		IPS8-S2NC70-A12		IPS8-S3NC18-A2P		IPS8-S3NC18-3U8	
		IPS8-S2NCO60-A8		IPS8-S2NCO70-A12					

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

Inductive Proximity Switch 3-Wire DC

Induktive Näherungsschalter 3-Leiter DC

semi-flush
quasi-bündig
M8×1 | 3 mm



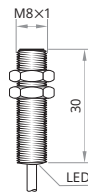
semi-flush
quasi-bündig
M8×1 | 3 mm



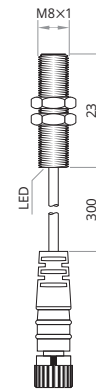
semi-flush
quasi-bündig
M8×1 | 3 mm



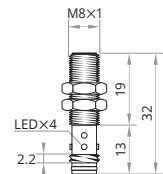
extended
erweitert



extended
erweitert



extended
erweitert



Sensing distance S_n	Schaltabstand S_n	3 mm		3 mm		3 mm	
Operating voltage	Betriebsspannung	10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}	
Reverse polarity protection	Verpolungsschutz	built-in	integriert	built-in	integriert	built-in	integriert
Current consumption	Stromverbrauch	<8 mA		<8 mA		<8 mA	
Current load capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Short circuit protection	Kurzschlusschutz	built-in	integriert	built-in	integriert	built-in	integriert
Voltage drop	Spannungsabfall	<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA	
Switching frequency	Schaltfrequenz	1000 Hz		1000 Hz		1000 Hz	
Reduction factors	Reduktionsfaktoren	Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85	
Operating temperature	Betriebstemperatur	-25...+75 °C		-25...+75 °C		-25...+75 °C	
Protection class	Schutzklasse	IP67		IP67		IP67	
Sensing face material	Sensorflächenwerkstoff	POM		POM		POM	
Housing material	Gehäusewerkstoff	SS304	V2A	SS304	V2A	SS304	V2A
Switching indicator	Schaltanzeige	built-in	integriert	built-in	integriert	built-in	integriert
Connection	Anschluss	PVC, ultra-flex		PVC, ultra-flex		conn. M8	Stecker M8
Article code PNP, NO	┌—	IPS8-S3PO30-A2P		IPS8-S3PO30-3U8		IPS8-S3PO32-A8	
Article code PNP, NC	└—	IPS8-S3PC30-A2P		IPS8-S3PC30-3U8		IPS8-S3PC32-A8	
Article code PNP, NO+NC	┌—+└—						
Article code NPN, NO	┌—	IPS8-S3NO30-A2P		IPS8-S3NO30-3U8		IPS8-S3NO32-A8	
Article code NPN, NC	└—	IPS8-S3NC30-A2P		IPS8-S3NC30-3U8		IPS8-S3NC32-A8	
Article code NPN, NO+NC	┌—+└—						

semi-flush
quasi-bündig
M8x1 | 3 mm



semi-flush
quasi-bündig
M8x1 | 3 mm



semi-flush
quasi-bündig
M8x1 | 3 mm



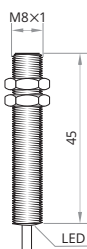
semi-flush
quasi-bündig
M8x1 | 3 mm



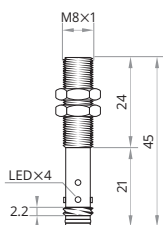
semi-flush
quasi-bündig
M8x1 | 3 mm



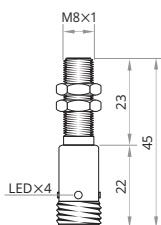
extended
erweitert



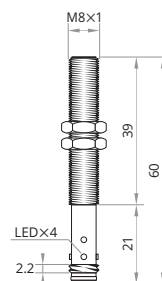
extended
erweitert



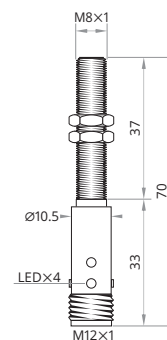
extended
erweitert



extended
erweitert



extended
erweitert



3 mm		3 mm		3 mm		3 mm		3 mm	
10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}	
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
<8 mA		<8 mA		<8 mA		<8 mA		<8 mA	
200 mA		200 mA		200 mA		200 mA		200 mA	
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA	
1000 Hz		1000 Hz		1000 Hz		1000 Hz		1000 Hz	
Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85	
-25...+75 °C		-25...+75 °C		-25...+75 °C		-25...+75 °C		-25...+75 °C	
IP67		IP67		IP67		IP67		IP67	
POM		POM		POM		POM		POM	
SS304	V2A	SS304	V2A	SS304	V2A	SS304	V2A	SS304	V2A
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
PVC, ultra-flex		conn. M8	Stecker M8	conn. M12	Stecker M12	conn. M8	Stecker M8	conn. M12	Stecker M12
IPS8-S3PO45-A2P		IPS8-S3PO45-A8		IPS8-S3PO45-A12		IPS8-S3PO60-A8		IPS8-S3PO70-A12	
IPS8-S3PC45-A2P		IPS8-S3PC45-A8		IPS8-S3PC45-A12		IPS8-S3PC60-A8		IPS8-S3PC70-A12	
IPS8-S3NO45-A2P		IPS8-S3NO45-A8		IPS8-S3NO45-A12		IPS8-S3NO60-A8		IPS8-S3NO70-A12	
IPS8-S3NC45-A2P		IPS8-S3NC45-A8		IPS8-S3NC45-A12		IPS8-S3NC60-A8		IPS8-S3NC70-A12	

XECRO reserves the right to make minor changes without prior notification.
XECRO behält sich das Recht auf geringe Änderungen ohne Ankündigung vor.

Inductive Proximity Switch 3-Wire DC

Induktive Näherungsschalter 3-Leiter DC

non-flush
nicht bündig
M8x1 | 4 mm



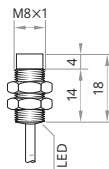
non-flush
nicht bündig
M8x1 | 4 mm



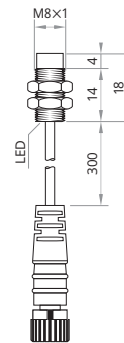
non-flush
nicht bündig
M8x1 | 4 mm



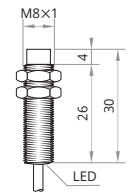
increased
erhöht



increased
erhöht



increased
erhöht



Sensing distance S_n	Schaltabstand S_n	4 mm	4 mm	4 mm
Operating voltage	Betriebsspannung	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}
Reverse polarity protection	Verpolungsschutz	built-in integriert	built-in integriert	built-in integriert
Current consumption	Stromverbrauch	<8 mA	<8 mA	<8 mA
Current load capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA
Short circuit protection	Kurzschlusschutz	built-in integriert	built-in integriert	built-in integriert
Voltage drop	Spannungsabfall	<1.5 V @ 200 mA	<1.5 V @ 200 mA	<1.5 V @ 200 mA
Switching frequency	Schaltfrequenz	1000 Hz	1000 Hz	1000 Hz
Reduction factors	Reduktionsfaktoren	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85
Operating temperature	Betriebstemperatur	-25...+75 °C	-25...+75 °C	-25...+75 °C
Protection class	Schutzklasse	IP67	IP67	IP67
Sensing face material	Sensorflächenwerkstoff	POM	POM	POM
Housing material	Gehäusewerkstoff	SS304 V2A	SS304 V2A	SS304 V2A
Switching indicator	Schaltanzeige	built-in integriert	built-in integriert	built-in integriert
Connection	Anschluss	PVC, ultra-flex	PUR, 300 mm, M8	PVC, ultra-flex
Article code PNP, NO	↘	IPS8-N4PO18-A2P	IPS8-N4PO18-3U8	IPS8-N4PO30-A2P
Article code PNP, NC	↗	IPS8-N4PC18-A2P	IPS8-N4PC18-3U8	IPS8-N4PC30-A2P
Article code PNP, NO+NC	↘+↗			
Article code NPN, NO	↘	IPS8-N4NO18-A2P	IPS8-N4NO18-3U8	IPS8-N4NO30-A2P
Article code NPN, NC	↗	IPS8-N4NC18-A2P	IPS8-N4NC18-3U8	IPS8-N4NC30-A2P
Article code NPN, NO+NC	↘+↗			

non-flush
nicht bündig
M8x1 | 4 mm



non-flush
nicht bündig
M8x1 | 4 mm



non-flush
nicht bündig
M8x1 | 4 mm



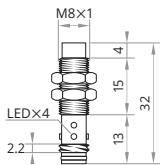
non-flush
nicht bündig
M8x1 | 4 mm



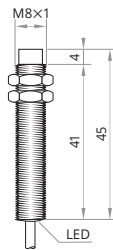
non-flush
nicht bündig
M8x1 | 4 mm



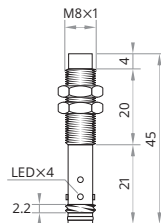
increased
erhöht



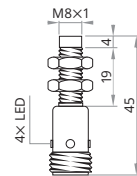
increased
erhöht



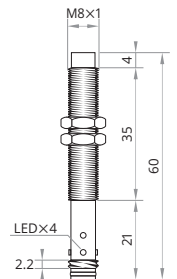
increased
erhöht



increased
erhöht



increased
erhöht



4 mm		4 mm		4 mm		4 mm		4 mm	
10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}	
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
<8 mA		<8 mA		<8 mA		<8 mA		<8 mA	
200 mA		200 mA		200 mA		200 mA		200 mA	
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA	
2000 Hz		1000 Hz		1000 Hz		1000 Hz		1000 Hz	
Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85	
-25...+75 °C		-25...+75 °C		-25...+75 °C		-25...+75 °C		-25...+75 °C	
IP67		IP67		IP67		IP67		IP67	
POM		SS304	V2A	SS304	V2A	SS304	V2A	SS304	V2A
SS304	V2A	SS304	V2A	SS304	V2A	SS304	V2A	SS304	V2A
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
conn. M8	Stecker M8	PVC, ultra-flex		conn. M8	Stecker M8	conn. M12	Stecker M12	conn. M8	Stecker M8
IPS8-N4PO32-A8		IPS8-N4PO45-A2P		IPS8-N4PO45-A8		IPS8-N4PO45-A12		IPS8-N4PO60-A8	
IPS8-N4PC32-A8		IPS8-N4PC45-A2P		IPS8-N4PC45-A8		IPS8-N4PC45-A12		IPS8-N4PC60-A8	
IPS8-N4NO32-A8		IPS8-N4NO45-A2P		IPS8-N4NO45-A8		IPS8-N4NO45-A12		IPS8-N4NO60-A8	
IPS8-N4NC32-A8		IPS8-N4NC45-A2P		IPS8-N4NC45-A8		IPS8-N4NC45-A12		IPS8-N4NC60-A8	

Inductive Proximity Switch 3-Wire DC

Induktive Näherungsschalter 3-Leiter DC

non-flush
nicht bündig
M8×1 | 4 mm



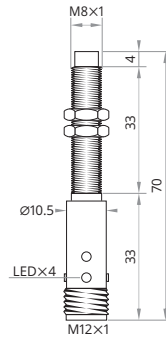
semi-flush
quasi-bündig
M8×1 | 4 mm



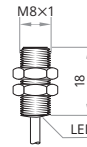
semi-flush
quasi-bündig
M8×1 | 4 mm



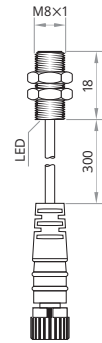
increased
erhöht



advanced
Hochleistung



advanced
Hochleistung



Sensing distance S_n	Schaltabstand S_n	4 mm		4 mm		4 mm	
Operating voltage	Betriebsspannung	10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}	
Reverse polarity protection	Verpolungsschutz	built-in	integriert	built-in	integriert	built-in	integriert
Current consumption	Stromverbrauch	<8 mA		<8 mA		<8 mA	
Current load capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Short circuit protection	Kurzschlusschutz	built-in	integriert	built-in	integriert	built-in	integriert
Voltage drop	Spannungsabfall	<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA	
Switching frequency	Schaltfrequenz	1000 Hz		500 Hz		500 Hz	
Reduction factors	Reduktionsfaktoren	Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85	
Operating temperature	Betriebstemperatur	-25...+75 °C		-25...+75 °C		-25...+75 °C	
Protection class	Schutzklasse	IP67		IP67		IP67	
Sensing face material	Sensorflächenwerkstoff	SS304	V2A	POM		POM	
Housing material	Gehäusewerkstoff	SS304	V2A	brass	Messing	brass	Messing
Switching indicator	Schaltanzeige	built-in	integriert	built-in	integriert	built-in	integriert
Connection	Anschluss	conn. M12	Stecker M12	PVC, ultra-flex		PUR, 300 mm, M8	
Article code PNP, NO	↘	IPS8-N4PO70-A12		IPS8-S4PO18-A2P		IPS8-S4PO18-3U8	
Article code PNP, NC	↗	IPS8-N4PC70-A12		IPS8-S4PC18-A2P		IPS8-S4PC18-3U8	
Article code PNP, NO+NC	↘+↗						
Article code NPN, NO	↘	IPS8-N4NO70-A12		IPS8-S4NO18-A2P		IPS8-S4NO18-3U8	
Article code NPN, NC	↗	IPS8-N4NC70-A12		IPS8-S4NC18-A2P		IPS8-S4NC18-3U8	
Article code NPN, NO+NC	↘+↗						

semi-flush
quasi-bündig
M8×1 | 4 mm



semi-flush
quasi-bündig
M8×1 | 4 mm



semi-flush
quasi-bündig
M8×1 | 4 mm



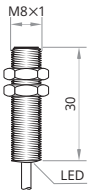
semi-flush
quasi-bündig
M8×1 | 4 mm



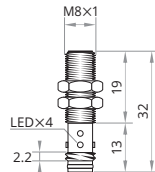
semi-flush
quasi-bündig
M8×1 | 4 mm



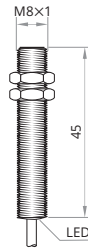
advanced
Hochleistung



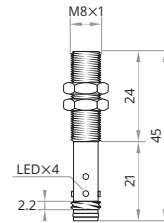
advanced
Hochleistung



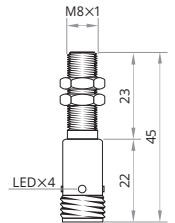
advanced
Hochleistung



advanced
Hochleistung



advanced
Hochleistung



4 mm		4 mm		4 mm		4 mm		4 mm	
10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}	
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
<8 mA		<8 mA		<8 mA		<8 mA		<8 mA	
200 mA		200 mA		200 mA		200 mA		200 mA	
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA	
500 Hz		500 Hz		500 Hz		500 Hz		500 Hz	
Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85	
-25...+75 °C		-25...+75 °C		-25...+75 °C		-25...+75 °C		-25...+75 °C	
IP67		IP67		IP67		IP67		IP67	
POM		POM		POM		POM		POM	
brass	Messing	brass	Messing	brass	Messing	brass	Messing	brass	Messing
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
PVC, ultra-flex		conn. M8	Stecker M8	PVC, ultra-flex		conn. M8	Stecker M8	conn. M12	Stecker M12
IPS8-S4PO30-A2P		IPS8-S4PO32-A8		IPS8-S4PO45-A2P		IPS8-S4PO45-A8		IPS8-S4PO45-A12	
IPS8-S4PC30-A2P		IPS8-S4PC32-A8		IPS8-S4PC45-A2P		IPS8-S4PC45-A8		IPS8-S4PC45-A12	
IPS8-S4NO30-A2P		IPS8-S4NO32-A8		IPS8-S4NO45-A2P		IPS8-S4NO45-A8		IPS8-S4NO45-A12	
IPS8-S4NC30-A2P		IPS8-S4NC32-A8		IPS8-S4NC45-A2P		IPS8-S4NC45-A8		IPS8-S4NC45-A12	

Inductive Proximity Switch 3-Wire DC

Induktive Näherungsschalter 3-Leiter DC

semi-flush
quasi-bündig
M8×1 | 4 mm



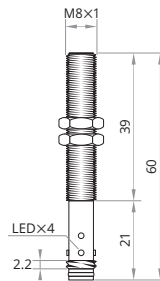
semi-flush
quasi-bündig
M8×1 | 4 mm



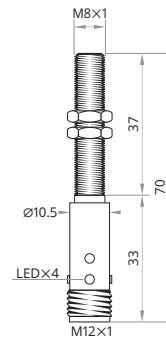
non-flush
nicht bündig
M8×1 | 4 mm



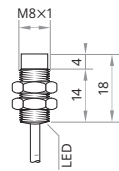
advanced
Hochleistung



advanced
Hochleistung



extended
erweitert



Sensing distance S_n	Schaltabstand S_n	4 mm		4 mm		4 mm	
Operating voltage	Betriebsspannung	10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}	
Reverse polarity protection	Verpolungsschutz	built-in	integriert	built-in	integriert	built-in	integriert
Current consumption	Stromverbrauch	<8 mA		<8 mA		<8 mA	
Current load capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Short circuit protection	Kurzschlusschutz	built-in	integriert	built-in	integriert	built-in	integriert
Voltage drop	Spannungsabfall	<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA	
Switching frequency	Schaltfrequenz	500 Hz		500 Hz		500 Hz	
Reduction factors	Reduktionsfaktoren	Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85	
Operating temperature	Betriebstemperatur	-25...+75 °C		-25...+75 °C		-25...+75 °C	
Protection class	Schutzklasse	IP67		IP67		IP67	
Sensing face material	Sensorflächenwerkstoff	POM		POM		POM	
Housing material	Gehäusewerkstoff	brass	Messing	brass	Messing	brass	Messing
Switching indicator	Schaltanzeige	built-in	integriert	built-in	integriert	built-in	integriert
Connection	Anschluss	conn. M8	Stecker M8	conn. M12	Stecker M12	PVC, ultra-flex	
Article code PNP, NO	┌—	IPS8-S4PO60-A8		IPS8-S4PO70-A12		IPS8-N6PO18-A2P	
Article code PNP, NC	└—	IPS8-S4PC60-A8		IPS8-S4PC70-A12		IPS8-N6PC18-A2P	
Article code PNP, NO+NC	┌—+└—						
Article code NPN, NO	┌—	IPS8-S4NO60-A8		IPS8-S4NO70-A12		IPS8-N6NO18-A2P	
Article code NPN, NC	└—	IPS8-S4NC60-A8		IPS8-S4NC70-A12		IPS8-N6NC18-A2P	
Article code NPN, NO+NC	┌—+└—						

non-flush
nicht bündig
M8x1 | 4 mm



non-flush
nicht bündig
M8x1 | 6 mm



non-flush
nicht bündig
M8x1 | 4 mm



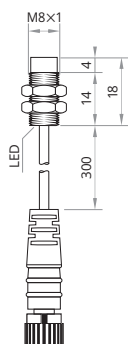
non-flush
nicht bündig
M8x1 | 6 mm



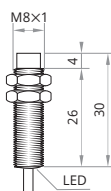
non-flush
nicht bündig
M8x1 | 6 mm



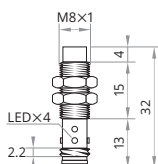
extended
erweitert



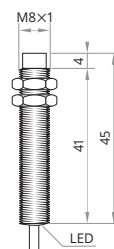
extended
erweitert



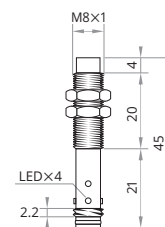
extended
erweitert



extended
erweitert



extended
erweitert



4 mm		6 mm		4 mm		6 mm		6 mm	
10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}	
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
<8 mA		<8 mA		<8 mA		<8 mA		<8 mA	
200 mA		200 mA		200 mA		200 mA		200 mA	
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA	
500 Hz		500 Hz		500 Hz		500 Hz		500 Hz	
Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85	
-25...+75 °C		-25...+75 °C		-25...+75 °C		-25...+75 °C		-25...+75 °C	
IP67		IP67		IP67		IP67		IP67	
POM		POM		POM		POM		POM	
brass	Messing	brass	Messing	brass	Messing	brass	Messing	brass	Messing
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
PUR, 300 mm, M8		PVC, ultra-flex		conn. M8	Stecker M8	PVC, ultra-flex		conn. M8	Stecker M8
IPS8-N6PO18-3U8		IPS8-N6PO30-A2P		IPS8-N6PO32-A8		IPS8-N6PO45-A2P		IPS8-N6PO45-A8	
IPS8-N6PC18-3U8		IPS8-N6PC30-A2P		IPS8-N6PC32-A8		IPS8-N6PC45-A2P		IPS8-N6PC45-A8	
IPS8-N6NO18-3U8		IPS8-N6NO30-A2P		IPS8-N6NO32-A8		IPS8-N6NO45-A2P		IPS8-N6NO45-A8	
IPS8-N6NC18-3U8		IPS8-N6NC30-A2P		IPS8-N6NC32-A8		IPS8-N6NC45-A2P		IPS8-N6NC45-A8	

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Inductive Proximity Switch 3-Wire DC

Induktive Näherungsschalter 3-Leiter DC

non-flush
nicht bündig
M8×1 | 6 mm



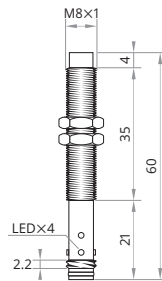
non-flush
nicht bündig
M8×1 | 6 mm



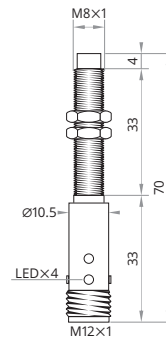
flush
bündig
8×8 mm | 2 mm



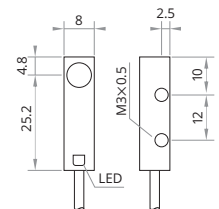
extended
erweitert



extended
erweitert



increased
erhöht



Sensing distance S_n	Schaltabstand S_n	6 mm		6 mm		2 mm	
Operating voltage	Betriebsspannung	10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}	
Reverse polarity protection	Verpolungsschutz	built-in	integriert	built-in	integriert	built-in	integriert
Current consumption	Stromverbrauch	<8 mA		<8 mA		<8 mA	
Current load capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Short circuit protection	Kurzschlusschutz	built-in	integriert	built-in	integriert	built-in	integriert
Voltage drop	Spannungsabfall	<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA	
Switching frequency	Schaltfrequenz	500 Hz		500 Hz		1000 Hz	
Reduction factors	Reduktionsfaktoren	Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85	
Operating temperature	Betriebstemperatur	-25...+75 °C		-25...+75 °C		-25...+75 °C	
Protection class	Schutzklasse	IP67		IP67		IP67	
Sensing face material	Sensorflächenwerkstoff	POM		POM		POM	
Housing material	Gehäusewerkstoff	brass	Messing	brass	Messing	brass	Messing
Switching indicator	Schaltanzeige	built-in	integriert	built-in	integriert	built-in	integriert
Connection	Anschluss	conn. M8	Stecker M8	conn. M12	Stecker M12	PVC, ultra-flex	
Article code PNP, NO	┌─	IPS8-N6PO60-A8		IPS8-N6PO70-A12		IPS88-S2PO30-A2P	
Article code PNP, NC	└─	IPS8-N6PC60-A8		IPS8-N6PC70-A12		IPS88-S2PC30-A2P	
Article code PNP, NO+NC	┌─+ └─						
Article code NPN, NO	┌─	IPS8-N6NO60-A8		IPS8-N6NO70-A12		IPS88-S2NO30-A2P	
Article code NPN, NC	└─	IPS8-N6NC60-A8		IPS8-N6NC70-A12		IPS88-S2NC30-A2P	
Article code NPN, NO+NC	┌─+ └─						

flush
bündig
8×8 mm | 2 mm



flush
bündig
8×8 mm | 2 mm



flush
bündig
8×8 mm | 2 mm



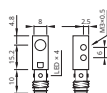
flush
bündig
8×8 mm | 2 mm



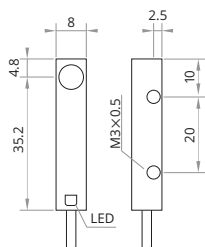
flush
bündig
8×8 mm | 2 mm



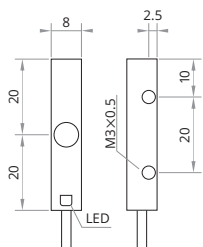
increased
erhöht



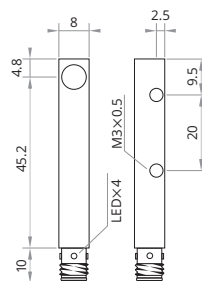
increased
erhöht



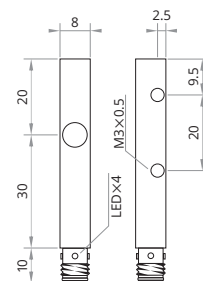
increased
erhöht



increased
erhöht



increased
erhöht



2 mm		2 mm		2 mm		2 mm		2 mm	
10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}	
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
<8 mA		<8 mA		<8 mA		<8 mA		<8 mA	
200 mA		200 mA		200 mA		200 mA		200 mA	
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA	
1000 Hz		1000 Hz		1000 Hz		1000 Hz		1000 Hz	
Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85	
-25...+75 °C		-25...+75 °C		-25...+75 °C		-25...+75 °C		-25...+75 °C	
IP67		IP67		IP67		IP67		IP67	
POM		POM		POM		POM		POM	
brass	Messing	brass	Messing	brass	Messing	brass	Messing	brass	Messing
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
conn. M8	Stecker M8	PVC, ultra-flex		PVC, ultra-flex		conn. M8	Stecker M8	conn. M8	Stecker M8
IPS88-S2PO30-A8		IPS88-S2PO40-A2P		IPS88-S2PO40C-A2P		IPS88-S2PO60-A8		IPS88-S2PO60C-A8	
IPS88-S2PC30-A8		IPS88-S2PC40-A2P		IPS88-S2PC40C-A2P		IPS88-S2PC60-A8		IPS88-S2PC60C-A8	
IPS88-S2NO30-A8		IPS88-S2NO40-A2P		IPS88-S2NO40C-A2P		IPS88-S2NO60-A8		IPS88-S2NO60C-A8	
IPS88-S2NC30-A8		IPS88-S2NC40-A2P		IPS88-S2NC40C-A2P		IPS88-S2NC60-A8		IPS88-S2NC60C-A8	

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Inductive Proximity Switch 3-Wire DC

Induktive Näherungsschalter 3-Leiter DC

flush
bündig
8×8 mm | 3 mm



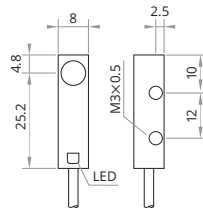
flush
bündig
8×8 mm | 3 mm



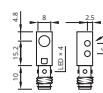
flush
bündig
8×8 mm | 3 mm



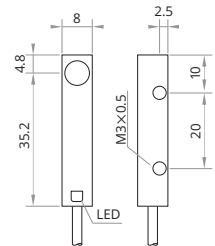
extended
erweitert



extended
erweitert



extended
erweitert



Sensing distance S_n	Schaltabstand S_n	3 mm		3 mm		3 mm	
Operating voltage	Betriebsspannung	10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}	
Reverse polarity protection	Verpolungsschutz	built-in	integriert	built-in	integriert	built-in	integriert
Current consumption	Stromverbrauch	<8 mA		<8 mA		<8 mA	
Current load capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Short circuit protection	Kurzschlusschutz	built-in	integriert	built-in	integriert	built-in	integriert
Voltage drop	Spannungsabfall	<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA	
Switching frequency	Schaltfrequenz	1000 Hz		1000 Hz		1000 Hz	
Reduction factors	Reduktionsfaktoren	Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85	
Operating temperature	Betriebstemperatur	-25...+75 °C		-25...+75 °C		-25...+75 °C	
Protection class	Schutzklasse	IP67		IP67		IP67	
Sensing face material	Sensorflächenwerkstoff	POM		POM		POM	
Housing material	Gehäusewerkstoff	brass	Messing	brass	Messing	brass	Messing
Switching indicator	Schaltanzeige	built-in	integriert	built-in	integriert	built-in	integriert
Connection	Anschluss	PVC, ultra-flex		conn. M8	Stecker M8	PVC, ultra-flex	
Article code PNP, NO	┌─	IPS88-S3PO30-A2P		IPS88-S3PO30-A8		IPS88-S3PO40-A2P	
Article code PNP, NC	└─	IPS88-S3PC30-A2P		IPS88-S3PC30-A8		IPS88-S3PC40-A2P	
Article code PNP, NO+NC	┌─+└─						
Article code NPN, NO	┌─	IPS88-S3NO30-A2P		IPS88-S3NO30-A8		IPS88-S3NO40-A2P	
Article code NPN, NC	└─	IPS88-S3NC30-A2P		IPS88-S3NC30-A8		IPS88-S3NC40-A2P	
Article code NPN, NO+NC	┌─+└─						

flush
bündig
8×8 mm | 3 mm



flush
bündig
8×8 mm | 3 mm



flush
bündig
8×8 mm | 3 mm



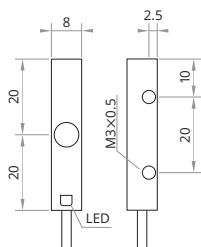
flush
bündig
M12×1 | 2 mm



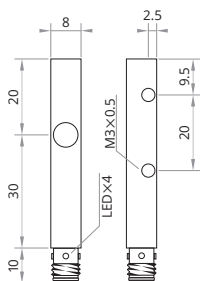
flush
bündig
M12×1 | 2 mm



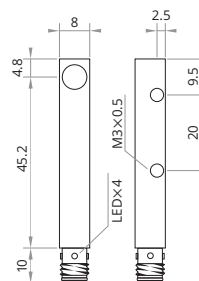
extended
erweitert



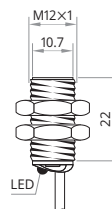
extended
erweitert



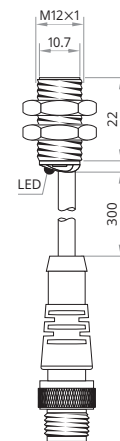
extended
erweitert



standard
Standard



standard
Standard



3 mm		3 mm		3 mm		2 mm		2 mm	
10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}	
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
<8 mA		<8 mA		<8 mA		<8 mA		<8 mA	
200 mA		200 mA		200 mA		200 mA		200 mA	
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA	
1000 Hz		1000 Hz		1000 Hz		2000 Hz		2000 Hz	
Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85	
-25...+75 °C		-25...+75 °C		-25...+75 °C		-25...+75 °C		-25...+75 °C	
IP67		IP67		IP67		IP67		IP67	
POM		POM		POM		POM		POM	
brass	Messing	brass	Messing	brass	Messing	brass	Messing	brass	Messing
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
PVC, ultra-flex		conn. M8	Stecker M8	conn. M8	Stecker M8	PVC, ultra-flex		PVC, 300 mm, M12	
IPS88-S3PO40C-A2P		IPS88-S3PO60C-A8		IPS88-S3PO60-A8		IPS12-S2PO22-A2P		IPS12-S2PO22-3P12	
IPS88-S3PC40C-A2P		IPS88-S3PC60C-A8		IPS88-S3PC60-A8		IPS12-S2PC22-A2P		IPS12-S2PC22-3P12	
IPS88-S3NO40C-A2P		IPS88-S3NO60C-A8		IPS88-S3NO60-A8		IPS12-S2NO22-A2P		IPS12-S2NO22-3P12	
IPS88-S3NC40C-A2P		IPS88-S3NC60C-A8		IPS88-S3NC60-A8		IPS12-S2NC22-A2P		IPS12-S2NC22-3P12	

Inductive Proximity Switch 3-Wire DC

Induktive Näherungsschalter 3-Leiter DC

flush
bündig
M12×1 | 2 mm



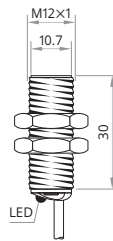
flush
bündig
M12×1 | 2 mm



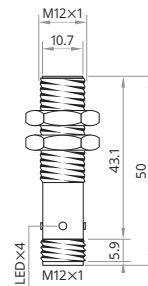
flush
bündig
M12×1 | 2 mm



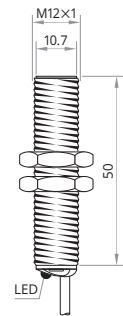
standard
Standard



standard
Standard



standard
Standard



Sensing distance S_n	Schaltabstand S_n	2 mm		2 mm		2 mm	
Operating voltage	Betriebsspannung	10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}	
Reverse polarity protection	Verpolungsschutz	built-in	integriert	built-in	integriert	built-in	integriert
Current consumption	Stromverbrauch	<8 mA		<8 mA		<8 mA	
Current load capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Short circuit protection	Kurzschlusschutz	built-in	integriert	built-in	integriert	built-in	integriert
Voltage drop	Spannungsabfall	<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA	
Switching frequency	Schaltfrequenz	2000 Hz		2000 Hz		2000 Hz	
Reduction factors	Reduktionsfaktoren	Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85	
Operating temperature	Betriebstemperatur	-25...+75 °C		-25...+75 °C		-25...+75 °C	
Protection class	Schutzklasse	IP67		IP67		IP67	
Sensing face material	Sensorflächenwerkstoff	POM		POM		POM	
Housing material	Gehäusewerkstoff	brass	Messing	brass	Messing	brass	Messing
Switching indicator	Schaltanzeige	built-in	integriert	built-in	integriert	built-in	integriert
Connection	Anschluss	PVC, ultra-flex		conn. M12	Stecker M12	PVC, ultra-flex	
Article code PNP, NO	↘	IPS12-S2PO30-A2P		IPS12-S2PO35-A12		IPS12-S2PO50-A2P	
Article code PNP, NC	↘	IPS12-S2PC30-A2P		IPS12-S2PC35-A12		IPS12-S2PC50-A2P	
Article code PNP, NO+NC	↘+↘						
Article code NPN, NO	↘	IPS12-S2NO30-A2P		IPS12-S2NO35-A12		IPS12-S2NO50-A2P	
Article code NPN, NC	↘	IPS12-S2NC30-A2P		IPS12-S2NC35-A12		IPS12-S2NC50-A2P	
Article code NPN, NO+NC	↘+↘						

flush
bündig
M12x1 | 2 mm



flush
bündig
M12x1 | 2 mm



non-flush
nicht bündig
M12x1 | 4 mm



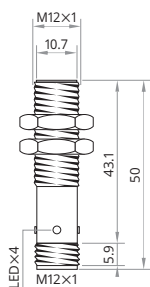
non-flush
nicht bündig
M12x1 | 4 mm



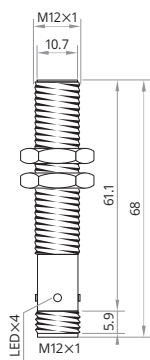
non-flush
nicht bündig
M12x1 | 4 mm



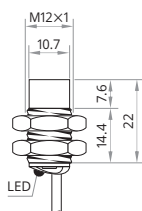
standard
Standard



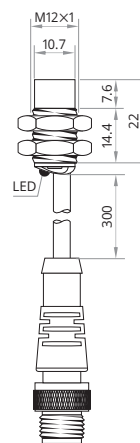
standard
Standard



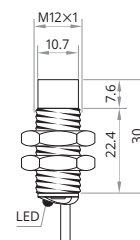
standard
Standard



standard
Standard



standard
Standard



2 mm		2 mm		4 mm		4 mm		4 mm	
10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}	
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
<8 mA		<8 mA		<8 mA		<8 mA		<8 mA	
200 mA		200 mA		200 mA		200 mA		200 mA	
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA	
2000 Hz		2000 Hz		1000 Hz		1000 Hz		1000 Hz	
Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85	
-25...+75 °C		-25...+75 °C		-25...+75 °C		-25...+75 °C		-25...+75 °C	
IP67		IP67		IP67		IP67		IP67	
POM		POM		POM		POM		POM	
brass	Messing	brass	Messing	brass	Messing	brass	Messing	brass	Messing
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
conn. M12	Stecker M12	conn. M12	Stecker M12	PVC, ultra-flex		PVC, 300 mm, M12		PVC, ultra-flex	
IPS12-S2PO50-A12		IPS12-S2PO68-A12		IPS12-N4PO22-A2P		IPS12-N4PO22-3P12		IPS12-N4PO30-A2P	
IPS12-S2PC50-A12		IPS12-S2PC68-A12		IPS12-N4PC22-A2P		IPS12-N4PC22-3P12		IPS12-N4PC30-A2P	
IPS12-S2NO50-A12		IPS12-S2NO68-A12		IPS12-N4NO22-A2P		IPS12-N4NO22-3P12		IPS12-N4NO30-A2P	
IPS12-S2NC50-A12		IPS12-S2NC68-A12		IPS12-N4NC22-A2P		IPS12-N4NC22-3P12		IPS12-N4NC30-A2P	

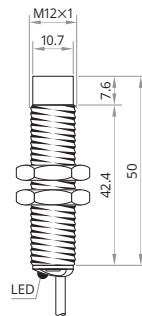
Inductive Proximity Switch 3-Wire DC

Induktive Näherungsschalter 3-Leiter DC

non-flush
nicht bündig
M12×1 | 4 mm



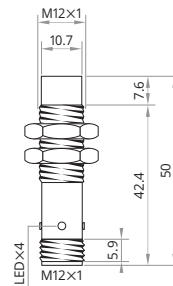
standard
Standard



non-flush
nicht bündig
M12×1 | 4 mm



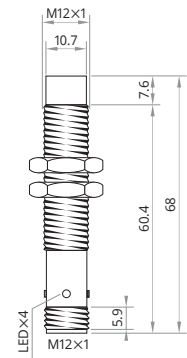
standard
Standard



non-flush
nicht bündig
M12×1 | 4 mm



standard
Standard



Sensing distance S_n	Schaltabstand S_n	4 mm	4 mm	4 mm
Operating voltage	Betriebsspannung	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}
Reverse polarity protection	Verpolungsschutz	built-in integriert	built-in integriert	built-in integriert
Current consumption	Stromverbrauch	<8 mA	<8 mA	<8 mA
Current load capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA
Short circuit protection	Kurzschlusschutz	built-in integriert	built-in integriert	built-in integriert
Voltage drop	Spannungsabfall	<1.5 V @ 200 mA	<1.5 V @ 200 mA	<1.5 V @ 200 mA
Switching frequency	Schaltfrequenz	1000 Hz	1000 Hz	1000 Hz
Reduction factors	Reduktionsfaktoren	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85
Operating temperature	Betriebstemperatur	-25...+75 °C	-25...+75 °C	-25...+75 °C
Protection class	Schutzklasse	IP67	IP67	IP67
Sensing face material	Sensorflächenwerkstoff	POM	POM	POM
Housing material	Gehäusewerkstoff	brass Messing	brass Messing	brass Messing
Switching indicator	Schaltanzeige	built-in integriert	built-in integriert	built-in integriert
Connection	Anschluss	PVC, ultra-flex	conn. M12 Stecker M12	conn. M12 Stecker M12
Article code PNP, NO	┌─	IPS12-N4PO50-A2P	IPS12-N4PO50-A12	IPS12-N4PO68-A12
Article code PNP, NC	└─	IPS12-N4PC50-A2P	IPS12-N4PC50-A12	IPS12-N4PC68-A12
Article code PNP, NO+NC	┌─+└─			
Article code NPN, NO	┌─	IPS12-N4NO50-A2P	IPS12-N4NO50-A12	IPS12-N4NO68-A12
Article code NPN, NC	└─	IPS12-N4NC50-A2P	IPS12-N4NC50-A12	IPS12-N4NC68-A12
Article code NPN, NO+NC	┌─+└─			

flush
bündig
M12x1 | 4 mm



flush
bündig
M12x1 | 4 mm



flush
bündig
M12x1 | 4 mm



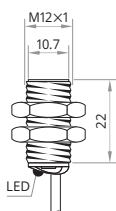
flush
bündig
M12x1 | 4 mm



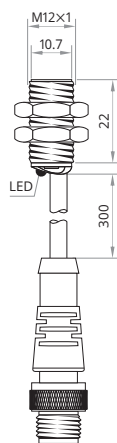
flush
bündig
M12x1 | 4 mm



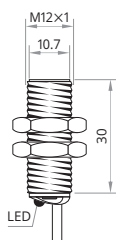
increased
erhöht



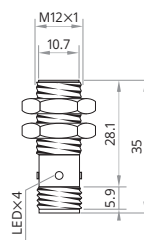
increased
erhöht



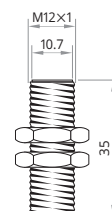
increased
erhöht



increased
erhöht



increased
erhöht



4 mm		4 mm		4 mm		4 mm		4 mm	
10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}	
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
<8 mA		<8 mA		<8 mA		<8 mA		<8 mA	
200 mA		200 mA		200 mA		200 mA		200 mA	
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA	
1000 Hz		1000 Hz		1000 Hz		1000 Hz		1000 Hz	
Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85	
-25...+75 °C		-25...+75 °C		-25...+75 °C		-25...+75 °C		-25...+75 °C	
IP67		IP67		IP67		IP67		IP67	
POM		POM		POM		POM		POM	
brass	Messing	brass	Messing	brass	Messing	brass	Messing	brass	Messing
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
PVC, ultra-flex		PVC, 300 mm, M12		PVC, ultra-flex		conn. M12 Stecker M12		conn. M12 Stecker M12	
IPS12-S4PO22-A2P		IPS12-S4PO22-3P12		IPS12-S4PO30-A2P		IPS12-S4PO35-A12		IPS12-S4PO35-N12	
IPS12-S4PC22-A2P		IPS12-S4PC22-3P12		IPS12-S4PC30-A2P		IPS12-S4PC35-A12		IPS12-S4PC35-N12	
IPS12-S4NO22-A2P		IPS12-S4NO22-3P12		IPS12-S4NO30-A2P		IPS12-S4NO35-A12		IPS12-S4NO35-N12	
IPS12-S4NC22-A2P		IPS12-S4NC22-3P12		IPS12-S4NC30-A2P		IPS12-S4NC35-A12		IPS12-S4NC35-N12	

Inductive Proximity Switch 3-Wire DC

Induktive Näherungsschalter 3-Leiter DC

flush
bündig
M12×1 | 4 mm



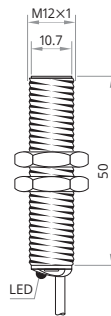
flush
bündig
M12×1 | 4 mm



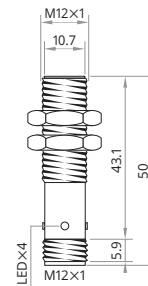
flush
bündig
M12×1 | 4 mm



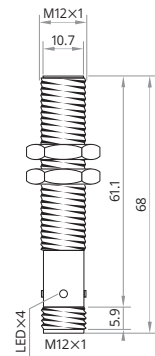
increased
erhöht



increased
erhöht



increased
erhöht



Sensing distance S_n	Schaltabstand S_n	4 mm	4 mm	4 mm
Operating voltage	Betriebsspannung	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}
Reverse polarity protection	Verpolungsschutz	built-in	integriert	built-in
Current consumption	Stromverbrauch	<8 mA	<8 mA	<8 mA
Current load capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA
Short circuit protection	Kurzschlusschutz	built-in	integriert	built-in
Voltage drop	Spannungsabfall	<1.5 V @ 200 mA	<1.5 V @ 200 mA	<1.5 V @ 200 mA
Switching frequency	Schaltfrequenz	1000 Hz	1000 Hz	1000 Hz
Reduction factors	Reduktionsfaktoren	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85
Operating temperature	Betriebstemperatur	-25...+75 °C	-25...+75 °C	-25...+75 °C
Protection class	Schutzklasse	IP67	IP67	IP67
Sensing face material	Sensorflächenwerkstoff	POM	POM	POM
Housing material	Gehäusewerkstoff	brass	Messing	brass
Switching indicator	Schaltanzeige	built-in	integriert	built-in
Connection	Anschluss	PVC, ultra-flex	conn. M12 Stecker M12	conn. M12 Stecker M12
Article code PNP, NO	↘	IPS12-S4PO50-A2P	IPS12-S4PO50-A12	IPS12-S4PO68-A12
Article code PNP, NC	↗	IPS12-S4PC50-A2P	IPS12-S4PC50-A12	IPS12-S4PC68-A12
Article code PNP, NO+NC	↘+↗	IPS12-S4PCO50-A2P	IPS12-S4PCO50-A12	IPS12-S4PCO68-A12
Article code NPN, NO	↘	IPS12-S4NO50-A2P	IPS12-S4NO50-A12	IPS12-S4NO68-A12
Article code NPN, NC	↗	IPS12-S4NC50-A2P	IPS12-S4NC50-A12	IPS12-S4NC68-A12
Article code NPN, NO+NC	↘+↗	IPS12-S4NCO50-A2P	IPS12-S4NCO50-A12	IPS12-S4NCO68-A12

semi-flush
quasi-bündig
M12x1 | 6 mm



semi-flush
quasi-bündig
M12x1 | 6 mm



semi-flush
quasi-bündig
M12x1 | 6 mm



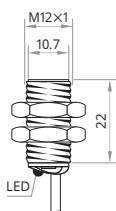
semi-flush
quasi-bündig
M12x1 | 6 mm



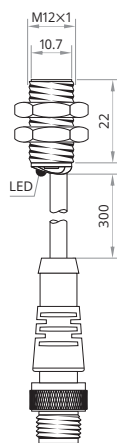
semi-flush
quasi-bündig
M12x1 | 6 mm



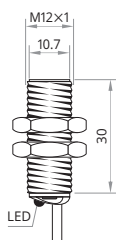
extended
erweitert



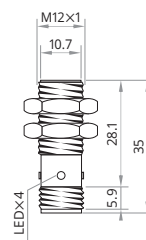
extended
erweitert



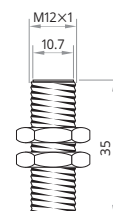
extended
erweitert



extended
erweitert



extended
erweitert



6 mm		6 mm		6 mm		6 mm		6 mm	
10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}	
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
<8 mA		<8 mA		<8 mA		<8 mA		<8 mA	
200 mA		200 mA		200 mA		200 mA		200 mA	
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA	
800 Hz		800 Hz		800 Hz		800 Hz		800 Hz	
Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85	
-25...+75 °C		-25...+75 °C		-25...+75 °C		-25...+75 °C		-25...+75 °C	
IP67		IP67		IP67		IP67		IP67	
POM		POM		POM		POM		POM	
brass	Messing	brass	Messing	brass	Messing	brass	Messing	brass	Messing
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
PVC, ultra-flex		PVC, 300 mm, M12		PVC, ultra-flex		conn. M12 Stecker M12		conn. M12 Stecker M12	
IPS12-S6PO22-A2P		IPS12-S6PO22-3P12		IPS12-S6PO30-A2P		IPS12-S6PO35-A12		IPS12-S6PO35-N12	
IPS12-S6PC22-A2P		IPS12-S6PC22-3P12		IPS12-S6PC30-A2P		IPS12-S6PC35-A12		IPS12-S6PC35-N12	
IPS12-S6NO22-A2P		IPS12-S6NO22-3P12		IPS12-S6NO30-A2P		IPS12-S6NO35-A12		IPS12-S6NO35-N12	
IPS12-S6NC22-A2P		IPS12-S6NC22-3P12		IPS12-S6NC30-A2P		IPS12-S6NC35-A12		IPS12-S6NC35-N12	

XECRO reserves the right to make minor changes without prior notification.
XECRO behält sich das Recht auf geringe Änderungen ohne Ankündigung vor.

Inductive Proximity Switch 3-Wire DC

Induktive Näherungsschalter 3-Leiter DC

semi-flush
quasi-bündig
M12×1 | 6 mm



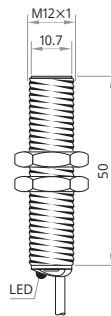
semi-flush
quasi-bündig
M12×1 | 6 mm



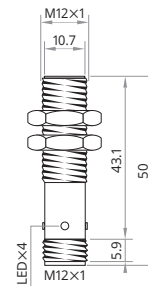
semi-flush
quasi-bündig
M12×1 | 6 mm



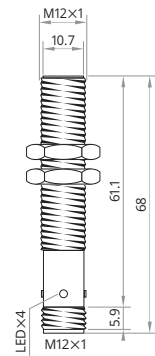
extended
erweitert



extended
erweitert



extended
erweitert



Sensing distance S_n	Schaltabstand S_n	6 mm		6 mm		6 mm	
Operating voltage	Betriebsspannung	10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}	
Reverse polarity protection	Verpolungsschutz	built-in	integriert	built-in	integriert	built-in	integriert
Current consumption	Stromverbrauch	<8 mA		<8 mA		<8 mA	
Current load capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Short circuit protection	Kurzschlusschutz	built-in	integriert	built-in	integriert	built-in	integriert
Voltage drop	Spannungsabfall	<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA	
Switching frequency	Schaltfrequenz	800 Hz		800 Hz		800 Hz	
Reduction factors	Reduktionsfaktoren	Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85	
Operating temperature	Betriebstemperatur	-25...+75 °C		-25...+75 °C		-25...+75 °C	
Protection class	Schutzklasse	IP67		IP67		IP67	
Sensing face material	Sensorflächenwerkstoff	POM		POM		POM	
Housing material	Gehäusewerkstoff	brass	Messing	brass	Messing	brass	Messing
Switching indicator	Schaltanzeige	built-in	integriert	built-in	integriert	built-in	integriert
Connection	Anschluss	PVC, ultra-flex		conn. M12	Stecker M12	conn. M12	Stecker M12
Article code PNP, NO	↘	IPS12-S6PO50-A2P		IPS12-S6PO50-A12		IPS12-S6PO68-A12	
Article code PNP, NC	↘	IPS12-S6PC50-A2P		IPS12-S6PC50-A12		IPS12-S6PC68-A12	
Article code PNP, NO+NC	↘+↘						
Article code NPN, NO	↘	IPS12-S6NO50-A2P		IPS12-S6NO50-A12		IPS12-S6NO68-A12	
Article code NPN, NC	↘	IPS12-S6NC50-A2P		IPS12-S6NC50-A12		IPS12-S6NC68-A12	
Article code NPN, NO+NC	↘+↘						

non-flush
nicht bündig
M12x1 | 8 mm



non-flush
nicht bündig
M12x1 | 8 mm



non-flush
nicht bündig
M12x1 | 8 mm



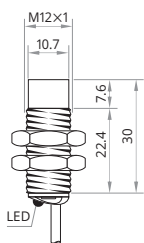
non-flush
nicht bündig
M12x1 | 8 mm



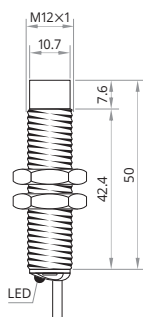
semi-flush
quasi-bündig
M12x1 | 8 mm



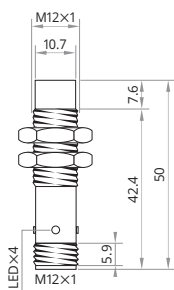
increased
erhöht



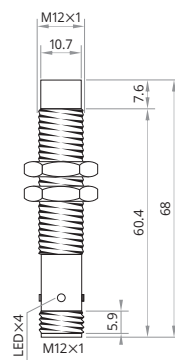
increased
erhöht



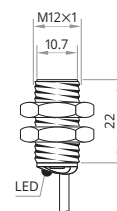
increased
erhöht



increased
erhöht



advanced
Hochleistung



8 mm	8 mm	8 mm	8 mm	8 mm
10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}
built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert
<8 mA	<8 mA	<8 mA	<8 mA	<8 mA
200 mA	200 mA	200 mA	200 mA	200 mA
built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert
<1.5 V @ 200 mA	<1.5 V @ 200 mA	<1.5 V @ 200 mA	<1.5 V @ 200 mA	<1.5 V @ 200 mA
500 Hz	500 Hz	500 Hz	500 Hz	800 Hz
Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85
-25...+75 °C	-25...+75 °C	-25...+75 °C	-25...+75 °C	-25...+75 °C
IP67	IP67	IP67	IP67	IP67
POM	POM	POM	POM	POM
brass Messing	brass Messing	brass Messing	brass Messing	brass Messing
built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert
PVC, ultra-flex	PVC, ultra-flex	conn. M12 Stecker M12	conn. M12 Stecker M12	PVC, ultra-flex
IPS12-N8PO30-A2P	IPS12-N8PO50-A2P	IPS12-N8PO50-A12	IPS12-N8PO68-A12	IPS12-S8PO22-A2P
IPS12-N8PC30-A2P	IPS12-N8PC50-A2P	IPS12-N8PC50-A12	IPS12-N8PC68-A12	IPS12-S8PC22-A2P
IPS12-N8NO30-A2P	IPS12-N8NO50-A2P	IPS12-N8NO50-A12	IPS12-N8NO68-A12	IPS12-S8NO22-A2P
IPS12-N8NC30-A2P	IPS12-N8NC50-A2P	IPS12-N8NC50-A12	IPS12-N8NC68-A12	IPS12-S8NC22-A2P

Inductive Proximity Switch 3-Wire DC

Induktive Näherungsschalter 3-Leiter DC

semi-flush
quasi-bündig
M12×1 | 8 mm



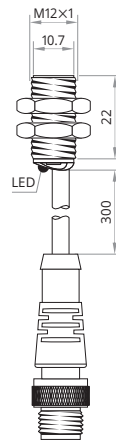
semi-flush
quasi-bündig
M12×1 | 8 mm



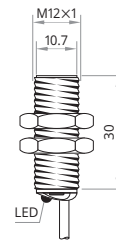
semi-flush
quasi-bündig
M12×1 | 8 mm



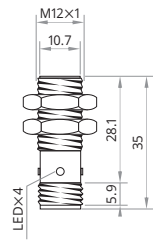
advanced
Hochleistung



advanced
Hochleistung



advanced
Hochleistung



Sensing distance S_n	Schaltabstand S_n	8 mm	8 mm	8 mm
Operating voltage	Betriebsspannung	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}
Reverse polarity protection	Verpolungsschutz	built-in integriert	built-in integriert	built-in integriert
Current consumption	Stromverbrauch	<8 mA	<8 mA	<8 mA
Current load capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA
Short circuit protection	Kurzschlusschutz	built-in integriert	built-in integriert	built-in integriert
Voltage drop	Spannungsabfall	<1.5 V @ 200 mA	<1.5 V @ 200 mA	<1.5 V @ 200 mA
Switching frequency	Schaltfrequenz	800 Hz	800 Hz	800 Hz
Reduction factors	Reduktionsfaktoren	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85
Operating temperature	Betriebstemperatur	-25...+75 °C	-25...+75 °C	-25...+75 °C
Protection class	Schutzklasse	IP67	IP67	IP67
Sensing face material	Sensorflächenwerkstoff	POM	POM	POM
Housing material	Gehäusewerkstoff	brass Messing	brass Messing	brass Messing
Switching indicator	Schaltanzeige	built-in integriert	built-in integriert	built-in integriert
Connection	Anschluss	PVC, 300 mm, M12	PVC, ultra-flex	conn. M12 Stecker M12
Article code PNP, NO	┌—	IPS12-S8PO22-3P12	IPS12-S8PO30-A2P	IPS12-S8PO35-A12
Article code PNP, NC	└—	IPS12-S8PC22-3P12	IPS12-S8PC30-A2P	IPS12-S8PC35-A12
Article code PNP, NO+NC	┌—+└—			
Article code NPN, NO	┌—	IPS12-S8NO22-3P12	IPS12-S8NO30-A2P	IPS12-S8NO35-A12
Article code NPN, NC	└—	IPS12-S8NC22-3P12	IPS12-S8NC30-A2P	IPS12-S8NC35-A12
Article code NPN, NO+NC	┌—+└—			

semi-flush
quasi-bündig
M12x1 | 8 mm



semi-flush
quasi-bündig
M12x1 | 8 mm



semi-flush
quasi-bündig
M12x1 | 8 mm



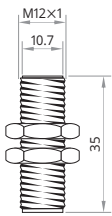
semi-flush
quasi-bündig
M12x1 | 8 mm



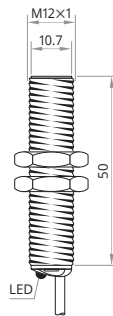
non-flush
nicht bündig
M12x1 | 10 mm



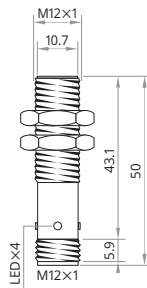
advanced
Hochleistung



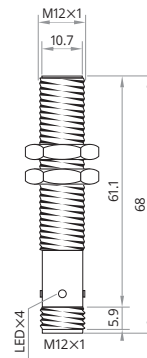
advanced
Hochleistung



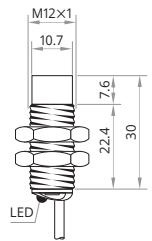
advanced
Hochleistung



advanced
Hochleistung



extended
erweitert



8 mm		8 mm		8 mm		8 mm		10 mm	
10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}	
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
<8 mA		<8 mA		<8 mA		<8 mA		<8 mA	
200 mA		200 mA		200 mA		200 mA		200 mA	
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA	
800 Hz		800 Hz		800 Hz		800 Hz		400 Hz	
Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85	
-25...+75 °C		-25...+75 °C		-25...+75 °C		-25...+75 °C		-25...+75 °C	
IP67		IP67		IP67		IP67		IP67	
POM		POM		POM		POM		POM	
brass	Messing	brass	Messing	brass	Messing	brass	Messing	brass	Messing
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
conn. M12	Stecker M12	PVC, ultra-flex		conn. M12	Stecker M12	conn. M12	Stecker M12	PVC, ultra-flex	
IPS12-S8PO35-N12		IPS12-S8PO50-A2P		IPS12-S8PO50-A12		IPS12-S8PO68-A12		IPS12-N10PO30-A2P	
IPS12-S8PC35-N12		IPS12-S8PC50-A2P		IPS12-S8PC50-A12		IPS12-S8PC68-A12		IPS12-N10PC30-A2P	
IPS12-S8NO35-N12		IPS12-S8NO50-A2P		IPS12-S8NO50-A12		IPS12-S8NO68-A12		IPS12-N10NO30-A2P	
IPS12-S8NC35-N12		IPS12-S8NC50-A2P		IPS12-S8NC50-A12		IPS12-S8NC68-A12		IPS12-N10NC30-A2P	

Inductive Proximity Switch 3-Wire DC

Induktive Näherungsschalter 3-Leiter DC

non-flush
nicht bündig
M12×1 | 10 mm



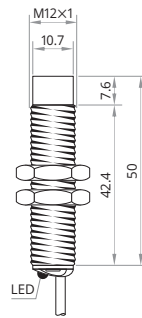
non-flush
nicht bündig
M12×1 | 10 mm



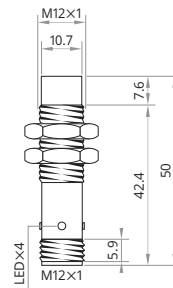
non-flush
nicht bündig
M12×1 | 10 mm



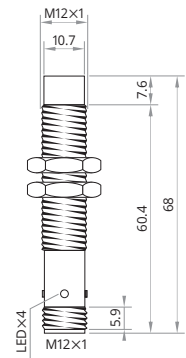
extended
erweitert



extended
erweitert



extended
erweitert



Sensing distance S_n	Schaltabstand S_n	10 mm	10 mm	10 mm
Operating voltage	Betriebsspannung	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}
Reverse polarity protection	Verpolungsschutz	built-in integriert	built-in integriert	built-in integriert
Current consumption	Stromverbrauch	<8 mA	<8 mA	<8 mA
Current load capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA
Short circuit protection	Kurzschlusschutz	built-in integriert	built-in integriert	built-in integriert
Voltage drop	Spannungsabfall	<1.5 V @ 200 mA	<1.5 V @ 200 mA	<1.5 V @ 200 mA
Switching frequency	Schaltfrequenz	400 Hz	400 Hz	400 Hz
Reduction factors	Reduktionsfaktoren	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85
Operating temperature	Betriebstemperatur	-25...+75 °C	-25...+75 °C	-25...+75 °C
Protection class	Schutzklasse	IP67	IP67	IP67
Sensing face material	Sensorflächenwerkstoff	POM	POM	POM
Housing material	Gehäusewerkstoff	brass Messing	brass Messing	brass Messing
Switching indicator	Schaltanzeige	built-in integriert	built-in integriert	built-in integriert
Connection	Anschluss	PVC, ultra-flex	conn. M12 Stecker M12	conn. M12 Stecker M12
Article code PNP, NO	┌—	IPS12-N10PO50-A2P	IPS12-N10PO50-A12	IPS12-N10PO68-A12
Article code PNP, NC	└—	IPS12-N10PC50-A2P	IPS12-N10PC50-A12	IPS12-N10PC68-A12
Article code PNP, NO+NC	┌—+└—			
Article code NPN, NO	┌—	IPS12-N10NO50-A2P	IPS12-N10NO50-A12	IPS12-N10NO68-A12
Article code NPN, NC	└—	IPS12-N10NC50-A2P	IPS12-N10NC50-A12	IPS12-N10NC68-A12
Article code NPN, NO+NC	┌—+└—			

non-flush
nicht bündig
M12×1 | 12 mm



non-flush
nicht bündig
M12×1 | 12 mm



non-flush
nicht bündig
M12×1 | 12 mm



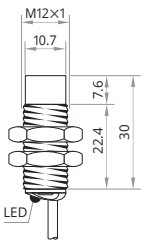
non-flush
nicht bündig
M12×1 | 12 mm



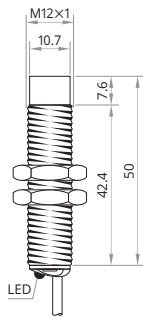
flush
bündig
M18×1 | 5 mm



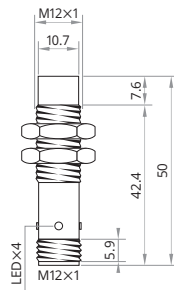
advanced
Hochleistung



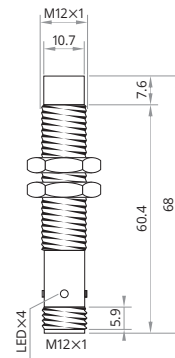
advanced
Hochleistung



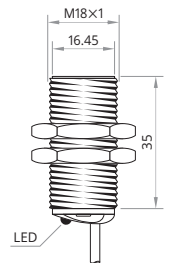
advanced
Hochleistung



advanced
Hochleistung



standard
Standard



12 mm		12 mm		12 mm		12 mm		5 mm	
10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}	
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
<8 mA		<8 mA		<8 mA		<8 mA		<8 mA	
200 mA		200 mA		200 mA		200 mA		200 mA	
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA	
400 Hz		400 Hz		400 Hz		400 Hz		1000 Hz	
Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85	
-25...+75 °C		-25...+75 °C		-25...+75 °C		-25...+75 °C		-25...+75 °C	
IP67		IP67		IP67		IP67		IP67	
POM		POM		POM		POM		POM	
brass	Messing	brass	Messing	brass	Messing	brass	Messing	brass	Messing
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
PVC, ultra-flex		PVC, ultra-flex		conn. M12	Stecker M12	conn. M12	Stecker M12	PVC, ultra-flex	
IPS12-N12PO30-A2P		IPS12-N12PO50-A2P		IPS12-N12PO50-A12		IPS12-N12PO68-A12		IPS18-S5PO35-A2P	
IPS12-N12PC30-A2P		IPS12-N12PC50-A2P		IPS12-N12PC50-A12		IPS12-N12PC68-A12		IPS18-S5PC35-A2P	
IPS12-N12NO30-A2P		IPS12-N12NO50-A2P		IPS12-N12NO50-A12		IPS12-N12NO68-A12		IPS18-S5NO35-A2P	
IPS12-N12NC30-A2P		IPS12-N12NC50-A2P		IPS12-N12NC50-A12		IPS12-N12NC68-A12		IPS18-S5NC35-A2P	

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

Inductive Proximity Switch 3-Wire DC

Induktive Näherungsschalter 3-Leiter DC

flush
bündig
M18×1 | 5 mm



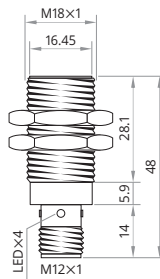
flush
bündig
M18×1 | 5 mm



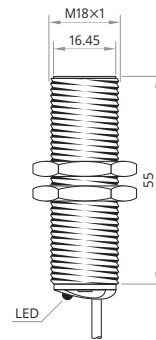
flush
bündig
M18×1 | 5 mm



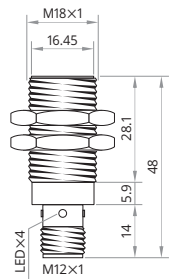
standard
Standard



standard
Standard



standard
Standard



Sensing distance S_n	Schaltabstand S_n	5 mm	5 mm	5 mm
Operating voltage	Betriebsspannung	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}
Reverse polarity protection	Verpolungsschutz	built-in integriert	built-in integriert	built-in integriert
Current consumption	Stromverbrauch	<8 mA	<8 mA	<8 mA
Current load capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA
Short circuit protection	Kurzschlusschutz	built-in integriert	built-in integriert	built-in integriert
Voltage drop	Spannungsabfall	<1.5 V @ 200 mA	<1.5 V @ 200 mA	<1.5 V @ 200 mA
Switching frequency	Schaltfrequenz	1000 Hz	1000 Hz	1000 Hz
Reduction factors	Reduktionsfaktoren	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85
Operating temperature	Betriebstemperatur	-25...+75 °C	-25...+75 °C	-25...+75 °C
Protection class	Schutzklasse	IP67	IP67	IP67
Sensing face material	Sensorflächenwerkstoff	POM	POM	POM
Housing material	Gehäusewerkstoff	brass Messing	brass Messing	brass Messing
Switching indicator	Schaltanzeige	built-in integriert	built-in integriert	built-in integriert
Connection	Anschluss	conn. M12 Stecker M12	PVC, ultra-flex	conn. M12 Stecker M12
Article code PNP, NO	┌—	IPS18-S5PO48-A12	IPS18-S5PO55-A2P	IPS18-S5PO79-A12
Article code PNP, NC	└┐	IPS18-S5PC48-A12	IPS18-S5PC55-A2P	IPS18-S5PC79-A12
Article code PNP, NO+NC	┌—+└┐			
Article code NPN, NO	┌—	IPS18-S5NO48-A12	IPS18-S5NO55-A2P	IPS18-S5NO79-A12
Article code NPN, NC	└┐	IPS18-S5NC48-A12	IPS18-S5NC55-A2P	IPS18-S5NC79-A12
Article code NPN, NO+NC	┌—+└┐			

flush
bündig
M18×1 | 8 mm



flush
bündig
M18×1 | 8 mm



flush
bündig
M18×1 | 8 mm



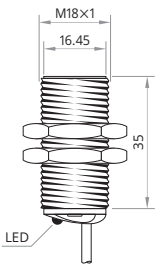
flush
bündig
M18×1 | 8 mm



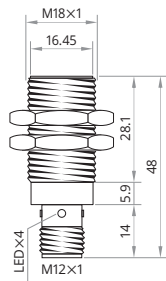
non-flush
nicht bündig
M18×1 | 8 mm



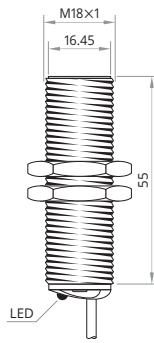
increased
erhöht



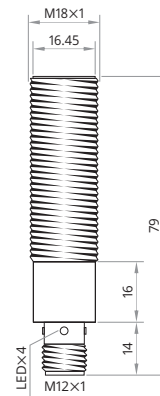
increased
erhöht



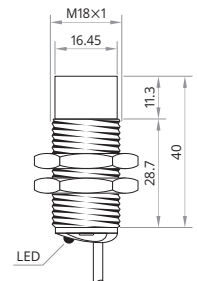
increased
erhöht



increased
erhöht



standard
Standard



8 mm	8 mm	8 mm	8 mm	8 mm
10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}
built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert
<8 mA	<8 mA	<8 mA	<8 mA	<8 mA
200 mA	200 mA	200 mA	200 mA	200 mA
built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert
<1.5 V @ 200 mA	<1.5 V @ 200 mA	<1.5 V @ 200 mA	<1.5 V @ 200 mA	<1.5 V @ 200 mA
500 Hz	500 Hz	500 Hz	500 Hz	500 Hz
Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85
-25...+75 °C	-25...+75 °C	-25...+75 °C	-25...+75 °C	-25...+75 °C
IP67	IP67	IP67	IP67	IP67
POM	POM	POM	POM	POM
brass Messing	brass Messing	brass Messing	brass Messing	brass Messing
built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert
PVC, ultra-flex	conn. M12 Stecker M12	PVC, ultra-flex	conn. M12 Stecker M12	PVC, ultra-flex
IPS18-S8PO35-A2P	IPS18-S8PO48-A12	IPS18-S8PO55-A2P	IPS18-S8PO79-A12	IPS18-N8PO40-A2P
IPS18-S8PC35-A2P	IPS18-S8PC48-A12	IPS18-S8PC55-A2P	IPS18-S8PC79-A12	IPS18-N8PC40-A2P
IPS18-S8PCO35-A2P	IPS18-S8PCO48-A12	IPS18-S8PCO55-A2P	IPS18-S8PCO79-A12	
IPS18-S8NO35-A2P	IPS18-S8NO48-A12	IPS18-S8NO55-A2P	IPS18-S8NO79-A12	IPS18-N8NO40-A2P
IPS18-S8NC35-A2P	IPS18-S8NC48-A12	IPS18-S8NC55-A2P	IPS18-S8NC79-A12	IPS18-N8NC40-A2P
IPS18-S8NCO35-A2P	IPS18-S8NCO48-A12	IPS18-S8NCO55-A2P	IPS18-S8NCO79-A12	

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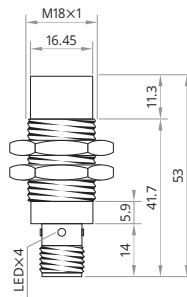
Inductive Proximity Switch 3-Wire DC

Induktive Näherungsschalter 3-Leiter DC

non-flush
nicht bündig
M18×1 | 8 mm



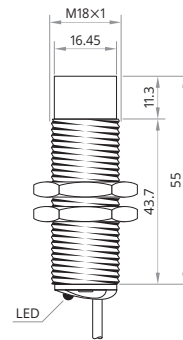
standard
Standard



non-flush
nicht bündig
M18×1 | 8 mm



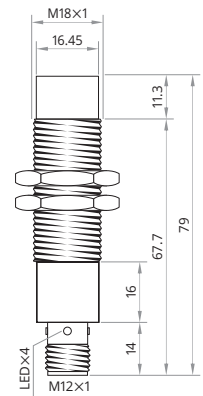
standard
Standard



non-flush
nicht bündig
M18×1 | 8 mm



standard
Standard



Sensing distance S_n	Schaltabstand S_n	8 mm		8 mm		8 mm	
Operating voltage	Betriebsspannung	10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}	
Reverse polarity protection	Verpolungsschutz	built-in	integriert	built-in	integriert	built-in	integriert
Current consumption	Stromverbrauch	<8 mA		<8 mA		<8 mA	
Current load capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Short circuit protection	Kurzschlusschutz	built-in	integriert	built-in	integriert	built-in	integriert
Voltage drop	Spannungsabfall	<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA	
Switching frequency	Schaltfrequenz	500 Hz		500 Hz		500 Hz	
Reduction factors	Reduktionsfaktoren	Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85	
Operating temperature	Betriebstemperatur	-25...+75 °C		-25...+75 °C		-25...+75 °C	
Protection class	Schutzklasse	IP67		IP67		IP67	
Sensing face material	Sensorflächenwerkstoff	POM		POM		POM	
Housing material	Gehäusewerkstoff	brass	Messing	brass	Messing	brass	Messing
Switching indicator	Schaltanzeige	built-in	integriert	built-in	integriert	built-in	integriert
Connection	Anschluss	conn. M12	Stecker M12	PVC, ultra-flex		conn. M12	Stecker M12
Article code PNP, NO	┌─	IPS18-N8PO53-A12		IPS18-N8PO55-A2P		IPS18-N8PO79-A12	
Article code PNP, NC	└─	IPS18-N8PC53-A12		IPS18-N8PC55-A2P		IPS18-N8PC79-A12	
Article code PNP, NO+NC	┌─+└─						
Article code NPN, NO	┌─	IPS18-N8NO53-A12		IPS18-N8NO55-A2P		IPS18-N8NO79-A12	
Article code NPN, NC	└─	IPS18-N8NC53-A12		IPS18-N8NC55-A2P		IPS18-N8NC79-A12	
Article code NPN, NO+NC	┌─+└─						

semi-flush
quasi-bündig
M18×1 | 12 mm



semi-flush
quasi-bündig
M18×1 | 12 mm



semi-flush
quasi-bündig
M18×1 | 12 mm



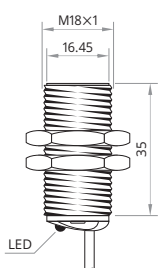
semi-flush
quasi-bündig
M18×1 | 12 mm



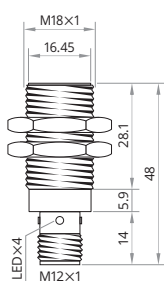
semi-flush
quasi-bündig
M18×1 | 15 mm



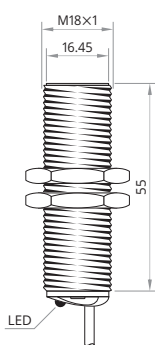
extended
erweitert



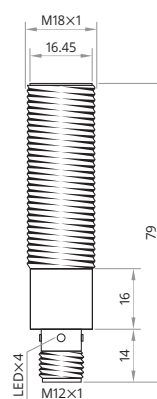
extended
erweitert



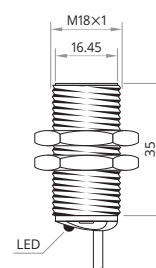
extended
erweitert



extended
erweitert



advanced
Hochleistung



12 mm		12 mm		12 mm		12 mm		15 mm	
10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}	
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
<8 mA		<8 mA		<8 mA		<8 mA		<8 mA	
200 mA		200 mA		200 mA		200 mA		200 mA	
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA	
300 Hz		300 Hz		300 Hz		300 Hz		300 Hz	
Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85	
-25...+75 °C		-25...+75 °C		-25...+75 °C		-25...+75 °C		-25...+75 °C	
IP67		IP67		IP67		IP67		IP67	
POM		POM		POM		POM		POM	
brass	Messing	brass	Messing	brass	Messing	brass	Messing	brass	Messing
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
PVC, ultra-flex		conn. M12	Stecker M12	PVC, ultra-flex		conn. M12	Stecker M12	PVC, ultra-flex	
IPS18-S12PO35-A2P		IPS18-S12PO48-A12		IPS18-S12PO55-A2P		IPS18-S12PO79-A12		IPS18-S15PO35-A2P	
IPS18-S12PC35-A2P		IPS18-S12PC48-A12		IPS18-S12PC55-A2P		IPS18-S12PC79-A12		IPS18-S15PC35-A2P	
IPS18-S12NO35-A2P		IPS18-S12NO48-A12		IPS18-S12NO55-A2P		IPS18-S12NO79-A12		IPS18-S15NO35-A2P	
IPS18-S12NC35-A2P		IPS18-S12NC48-A12		IPS18-S12NC55-A2P		IPS18-S12NC79-A12		IPS18-S15NC35-A2P	

Inductive Proximity Switch 3-Wire DC

Induktive Näherungsschalter 3-Leiter DC

semi-flush
quasi-bündig
M18×1 | 15 mm



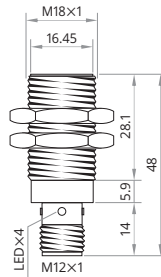
semi-flush
quasi-bündig
M18×1 | 15 mm



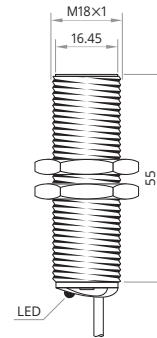
semi-flush
quasi-bündig
M18×1 | 15 mm



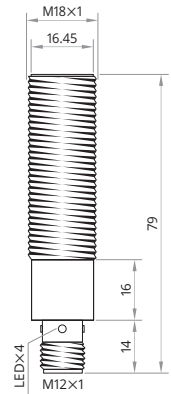
advanced
Hochleistung



advanced
Hochleistung



advanced
Hochleistung



Sensing distance S_n	Schaltabstand S_n	15 mm	15 mm	15 mm
Operating voltage	Betriebsspannung	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}
Reverse polarity protection	Verpolungsschutz	built-in integriert	built-in integriert	built-in integriert
Current consumption	Stromverbrauch	<8 mA	<8 mA	<8 mA
Current load capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA
Short circuit protection	Kurzschlusschutz	built-in integriert	built-in integriert	built-in integriert
Voltage drop	Spannungsabfall	<1.5 V @ 200 mA	<1.5 V @ 200 mA	<1.5 V @ 200 mA
Switching frequency	Schaltfrequenz	300 Hz	300 Hz	300 Hz
Reduction factors	Reduktionsfaktoren	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85
Operating temperature	Betriebstemperatur	-25...+75 °C	-25...+75 °C	-25...+75 °C
Protection class	Schutzklasse	IP67	IP67	IP67
Sensing face material	Sensorflächenwerkstoff	POM	POM	POM
Housing material	Gehäusewerkstoff	brass Messing	brass Messing	brass Messing
Switching indicator	Schaltanzeige	built-in integriert	built-in integriert	built-in integriert
Connection	Anschluss	conn. M12 Stecker M12	PVC, ultra-flex	conn. M12 Stecker M12
Article code PNP, NO	┌─	IPS18-S15PO48-A12	IPS18-S15PO55-A2P	IPS18-S15PO79-A12
Article code PNP, NC	└─	IPS18-S15PC48-A12	IPS18-S15PC55-A2P	IPS18-S15PC79-A12
Article code PNP, NO+NC	┌─+└─			
Article code NPN, NO	┌─	IPS18-S15NO48-A12	IPS18-S15NO55-A2P	IPS18-S15NO79-A12
Article code NPN, NC	└─	IPS18-S15NC48-A12	IPS18-S15NC55-A2P	IPS18-S15NC79-A12
Article code NPN, NO+NC	┌─+└─			

non-flush
nicht bündig
M18x1 | 16 mm



non-flush
nicht bündig
M18x1 | 16 mm



non-flush
nicht bündig
M18x1 | 16 mm



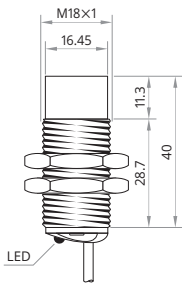
non-flush
nicht bündig
M18x1 | 16 mm



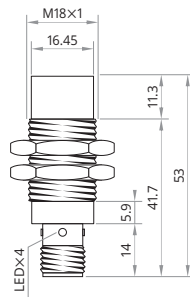
non-flush
nicht bündig
M18x1 | 20 mm



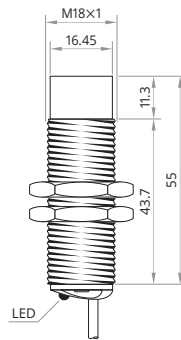
increased
erhöht



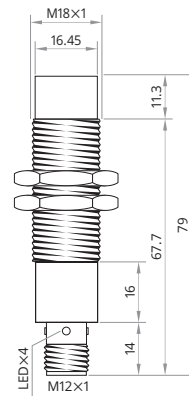
increased
erhöht



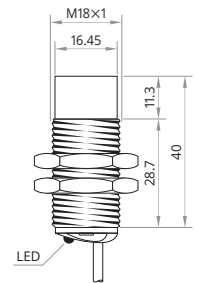
increased
erhöht



increased
erhöht



extended
erweitert



16 mm		16 mm		16 mm		16 mm		20 mm	
10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}	
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
<8 mA		<8 mA		<8 mA		<8 mA		<8 mA	
200 mA		200 mA		200 mA		200 mA		200 mA	
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA	
150 Hz		150 Hz		150 Hz		150 Hz		100 Hz	
Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85	
-25...+75 °C		-25...+75 °C		-25...+75 °C		-25...+75 °C		-25...+75 °C	
IP67		IP67		IP67		IP67		IP67	
POM		POM		POM		POM		POM	
brass	Messing	brass	Messing	brass	Messing	brass	Messing	brass	Messing
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
PVC, ultra-flex		conn. M12	Stecker M12	PVC, ultra-flex		conn. M12	Stecker M12	PVC, ultra-flex	
IPS18-N16PO40-A2P		IPS18-N16PO53-A12		IPS18-N16PO55-A2P		IPS18-N16PO79-A12		IPS18-N20PO40-A2P	
IPS18-N16PC40-A2P		IPS18-N16PC53-A12		IPS18-N16PC55-A2P		IPS18-N16PC79-A12		IPS18-N20PC40-A2P	
IPS18-N16PCO40-A2P		IPS18-N16PCO53-A12		IPS18-N16PCO55-A2P		IPS18-N16PCO79-A12			
IPS18-N16NO40-A2P		IPS18-N16NO53-A12		IPS18-N16NO55-A2P		IPS18-N16NO79-A12		IPS18-N20NO40-A2P	
IPS18-N16NC40-A2P		IPS18-N16NC53-A12		IPS18-N16NC55-A2P		IPS18-N16NC79-A12		IPS18-N20NC40-A2P	
IPS18-N16NCO40-A2P		IPS18-N16NCO53-A12		IPS18-N16NCO55-A2P		IPS18-N16NCO79-A12			

XECRO reserves the right to make minor changes without prior notification.
XECRO behält sich das Recht auf geringe Änderungen ohne Ankündigung vor.

Inductive Proximity Switch 3-Wire DC

Induktive Näherungsschalter 3-Leiter DC

non-flush
nicht bündig
M18×1 | 20 mm



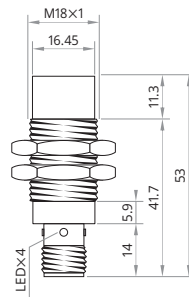
non-flush
nicht bündig
M18×1 | 20 mm



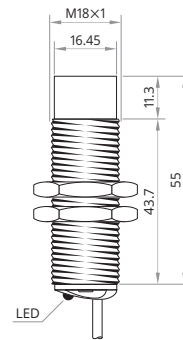
non-flush
nicht bündig
M18×1 | 20 mm



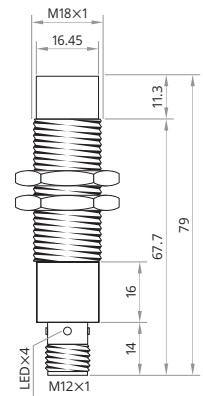
extended
erweitert



extended
erweitert



extended
erweitert



Sensing distance S_n	Schaltabstand S_n	20 mm	20 mm	20 mm
Operating voltage	Betriebsspannung	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}
Reverse polarity protection	Verpolungsschutz	built-in integriert	built-in integriert	built-in integriert
Current consumption	Stromverbrauch	<8 mA	<8 mA	<8 mA
Current load capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA
Short circuit protection	Kurzschlusschutz	built-in integriert	built-in integriert	built-in integriert
Voltage drop	Spannungsabfall	<1.5 V @ 200 mA	<1.5 V @ 200 mA	<1.5 V @ 200 mA
Switching frequency	Schaltfrequenz	100 Hz	100 Hz	100 Hz
Reduction factors	Reduktionsfaktoren	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85
Operating temperature	Betriebstemperatur	-25...+75 °C	-25...+75 °C	-25...+75 °C
Protection class	Schutzklasse	IP67	IP67	IP67
Sensing face material	Sensorflächenwerkstoff	POM	POM	POM
Housing material	Gehäusewerkstoff	brass Messing	brass Messing	brass Messing
Switching indicator	Schaltanzeige	built-in integriert	built-in integriert	built-in integriert
Connection	Anschluss	conn. M12 Stecker M12	PVC, ultra-flex	conn. M12 Stecker M12
Article code PNP, NO	┌─	IPS18-N20PO53-A12	IPS18-N20PO55-A2P	IPS18-N20PO79-A12
Article code PNP, NC	└─	IPS18-N20PC53-A12	IPS18-N20PC55-A2P	IPS18-N20PC79-A12
Article code PNP, NO+NC	┌─+└─			
Article code NPN, NO	┌─	IPS18-N20NO53-A12	IPS18-N20NO55-A2P	IPS18-N20NO79-A12
Article code NPN, NC	└─	IPS18-N20NC53-A12	IPS18-N20NC55-A2P	IPS18-N20NC79-A12
Article code NPN, NO+NC	┌─+└─			

flush
bündig
M30×1.5 | 10 mm



flush
bündig
M30×1.5 | 10 mm



flush
bündig
M30×1.5 | 10 mm



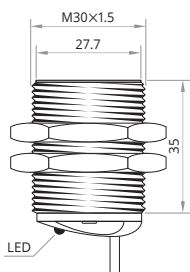
flush
bündig
M30×1.5 | 10 mm



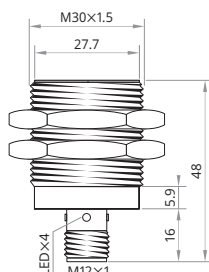
non-flush
nicht bündig
M30×1.5 | 15 mm



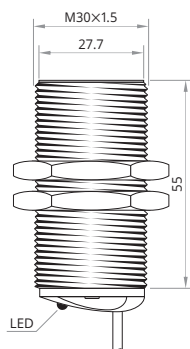
standard
Standard



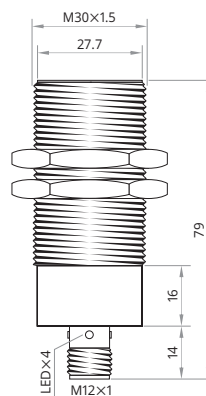
standard
Standard



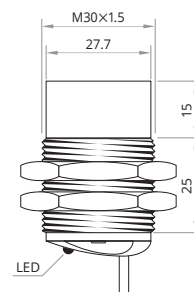
standard
Standard



standard
Standard



standard
Standard



10 mm	10 mm	10 mm	10 mm	15 mm
10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}
built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert
<8 mA	<8 mA	<8 mA	<8 mA	<8 mA
200 mA	200 mA	200 mA	200 mA	200 mA
built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert
<1.5 V @ 200 mA	<1.5 V @ 200 mA	<1.5 V @ 200 mA	<1.5 V @ 200 mA	<1.5 V @ 200 mA
300 Hz	300 Hz	300 Hz	300 Hz	150 Hz
Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85
-25...+75 °C	-25...+75 °C	-25...+75 °C	-25...+75 °C	-25...+75 °C
IP67	IP67	IP67	IP67	IP67
POM	POM	POM	POM	POM
brass Messing	brass Messing	brass Messing	brass Messing	brass Messing
built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert
PVC, ultra-flex	conn. M12 Stecker M12	PVC, ultra-flex	conn. M12 Stecker M12	PVC, ultra-flex
IPS30-S10PO35-A2P	IPS30-S10PO48-A12	IPS30-S10PO55-A2P	IPS30-S10PO79-A12	IPS30-N15PO40-A2P
IPS30-S10PC35-A2P	IPS30-S10PC48-A12	IPS30-S10PC55-A2P	IPS30-S10PC79-A12	IPS30-N15PC40-A2P
IPS30-S10NO35-A2P	IPS30-S10NO48-A12	IPS30-S10NO55-A2P	IPS30-S10NO79-A12	IPS30-N15NO40-A2P
IPS30-S10NC35-A2P	IPS30-S10NC48-A12	IPS30-S10NC55-A2P	IPS30-S10NC79-A12	IPS30-N15NC40-A2P

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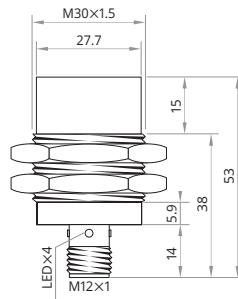
Inductive Proximity Switch 3-Wire DC

Induktive Näherungsschalter 3-Leiter DC

non-flush
nicht bündig
M30×1.5 | 15 mm



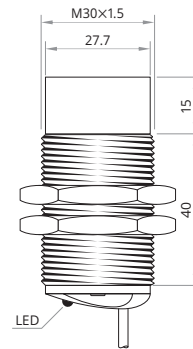
standard
Standard



non-flush
nicht bündig
M30×1.5 | 15 mm



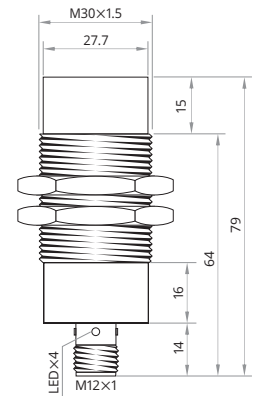
standard
Standard



non-flush
nicht bündig
M30×1.5 | 15 mm



standard
Standard



Sensing distance S_n	Schaltabstand S_n	15 mm	15 mm	15 mm
Operating voltage	Betriebsspannung	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}
Reverse polarity protection	Verpolungsschutz	built-in integriert	built-in integriert	built-in integriert
Current consumption	Stromverbrauch	<8 mA	<8 mA	<8 mA
Current load capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA
Short circuit protection	Kurzschlusschutz	built-in integriert	built-in integriert	built-in integriert
Voltage drop	Spannungsabfall	<1.5 V @ 200 mA	<1.5 V @ 200 mA	<1.5 V @ 200 mA
Switching frequency	Schaltfrequenz	150 Hz	150 Hz	150 Hz
Reduction factors	Reduktionsfaktoren	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85
Operating temperature	Betriebstemperatur	-25...+75 °C	-25...+75 °C	-25...+75 °C
Protection class	Schutzklasse	IP67	IP67	IP67
Sensing face material	Sensorflächenwerkstoff	POM	POM	POM
Housing material	Gehäusewerkstoff	brass Messing	brass Messing	brass Messing
Switching indicator	Schaltanzeige	built-in integriert	built-in integriert	built-in integriert
Connection	Anschluss	conn. M12 Stecker M12	PVC, ultra-flex	conn. M12 Stecker M12
Article code PNP, NO	┌—	IPS30-N15PO53-A12	IPS30-N15PO55-A2P	IPS30-N15PO79-A12
Article code PNP, NC	└—	IPS30-N15PC53-A12	IPS30-N15PC55-A2P	IPS30-N15PC79-A12
Article code PNP, NO+NC	┌—+└—			
Article code NPN, NO	┌—	IPS30-N15NO53-A12	IPS30-N15NO55-A2P	IPS30-N15NO79-A12
Article code NPN, NC	└—	IPS30-N15NC53-A12	IPS30-N15NC55-A2P	IPS30-N15NC79-A12
Article code NPN, NO+NC	┌—+└—			

flush
bündig
M30×1.5 | 16 mm



flush
bündig
M30×1.5 | 16 mm



flush
bündig
M30×1.5 | 16 mm



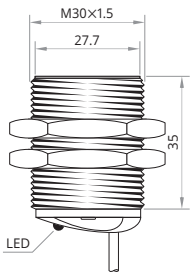
flush
bündig
M30×1.5 | 16 mm



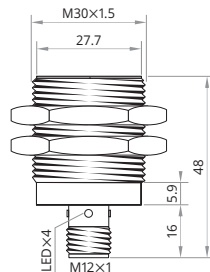
semi-flush
quasi-bündig
M30×1.5 | 22 mm



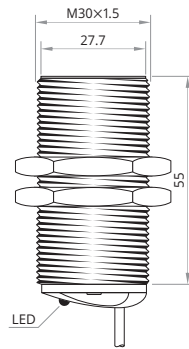
increased
erhöht



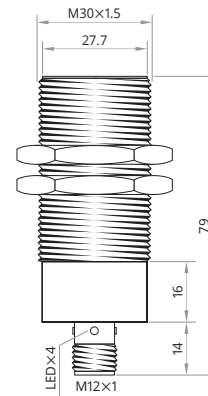
increased
erhöht



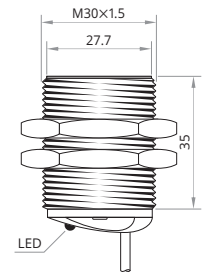
increased
erhöht



increased
erhöht



extended
erweitert



16 mm	16 mm	16 mm	16 mm	22 mm
10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}
built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert
<8 mA	<8 mA	<8 mA	<8 mA	<8 mA
200 mA	200 mA	200 mA	200 mA	200 mA
built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert
<1.5 V @ 200 mA	<1.5 V @ 200 mA	<1.5 V @ 200 mA	<1.5 V @ 200 mA	<1.5 V @ 200 mA
150 Hz	150 Hz	150 Hz	150 Hz	150 Hz
Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85
-25...+75 °C	-25...+75 °C	-25...+75 °C	-25...+75 °C	-25...+75 °C
IP67	IP67	IP67	IP67	IP67
POM	POM	POM	POM	POM
brass Messing	brass Messing	brass Messing	brass Messing	brass Messing
built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert
PVC, ultra-flex	conn. M12 Stecker M12	PVC, ultra-flex	conn. M12 Stecker M12	PVC, ultra-flex
IPS30-S16PO35-A2P	IPS30-S16PO48-A12	IPS30-S16PO55-A2P	IPS30-S16PO79-A12	IPS30-S22PO35-A2P
IPS30-S16PC35-A2P	IPS30-S16PC48-A12	IPS30-S16PC55-A2P	IPS30-S16PC79-A12	IPS30-S22PC35-A2P
IPS30-S16PCO35-A2P	IPS30-S16PCO48-A12	IPS30-S16PCO55-A2P		
IPS30-S16NO35-A2P	IPS30-S16NO48-A12	IPS30-S16NO55-A2P	IPS30-S16NO79-A12	IPS30-S22NO35-A2P
IPS30-S16NC35-A2P	IPS30-S16NC48-A12	IPS30-S16NC55-A2P	IPS30-S16NC79-A12	IPS30-S22NC35-A2P
IPS30-S16NCO35-A2P	IPS30-S16NCO48-A12	IPS30-S16NCO55-A2P		

XECRO reserves the right to make minor changes without prior notification.
XECRO behält sich das Recht auf geringe Änderungen ohne Ankündigung vor.

Inductive Proximity Switch 3-Wire DC

Induktive Näherungsschalter 3-Leiter DC

semi-flush
quasi-bündig
M30×1.5 | 22 mm



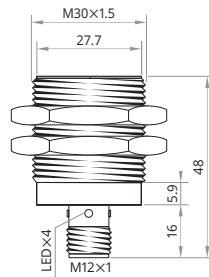
semi-flush
quasi-bündig
M30×1.5 | 22 mm



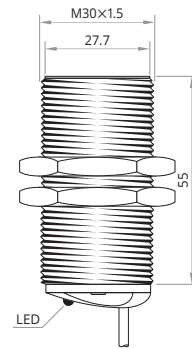
semi-flush
quasi-bündig
M30×1.5 | 22 mm



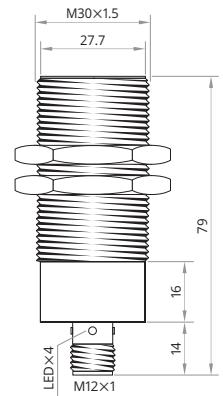
extended
erweitert



extended
erweitert



extended
erweitert



Sensing distance S_n	Schaltabstand S_n	22 mm	22 mm	22 mm
Operating voltage	Betriebsspannung	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}
Reverse polarity protection	Verpolungsschutz	built-in integriert	built-in integriert	built-in integriert
Current consumption	Stromverbrauch	<8 mA	<8 mA	<8 mA
Current load capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA
Short circuit protection	Kurzschlusschutz	built-in integriert	built-in integriert	built-in integriert
Voltage drop	Spannungsabfall	<1.5 V @ 200 mA	<1.5 V @ 200 mA	<1.5 V @ 200 mA
Switching frequency	Schaltfrequenz	150 Hz	150 Hz	150 Hz
Reduction factors	Reduktionsfaktoren	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85
Operating temperature	Betriebstemperatur	-25...+75 °C	-25...+75 °C	-25...+75 °C
Protection class	Schutzklasse	IP67	IP67	IP67
Sensing face material	Sensorflächenwerkstoff	POM	POM	POM
Housing material	Gehäusewerkstoff	brass Messing	brass Messing	brass Messing
Switching indicator	Schaltanzeige	built-in integriert	built-in integriert	built-in integriert
Connection	Anschluss	conn. M12 Stecker M12	PVC, ultra-flex	conn. M12 Stecker M12
Article code PNP, NO	┌─	IPS30-S22PO48-A12	IPS30-S22PO55-A2P	IPS30-S22PO79-A12
Article code PNP, NC	└─	IPS30-S22PC48-A12	IPS30-S22PC55-A2P	IPS30-S22PC79-A12
Article code PNP, NO+NC	┌─+ └─			
Article code NPN, NO	┌─	IPS30-S22NO48-A12	IPS30-S22NO55-A2P	IPS30-S22NO79-A12
Article code NPN, NC	└─	IPS30-S22NC48-A12	IPS30-S22NC55-A2P	IPS30-S22NC79-A12
Article code NPN, NO+NC	┌─+ └─			

non-flush
nicht bündig
M30×1.5 | 25 mm



non-flush
nicht bündig
M30×1.5 | 25 mm



non-flush
nicht bündig
M30×1.5 | 25 mm



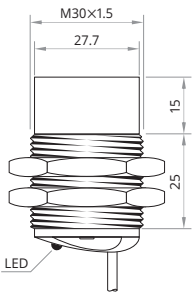
non-flush
nicht bündig
M30×1.5 | 25 mm



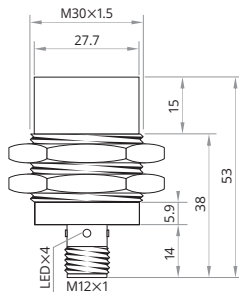
non-flush
nicht bündig
M30×1.5 | 40 mm



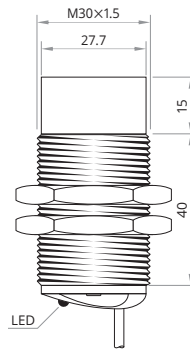
increased
erhöht



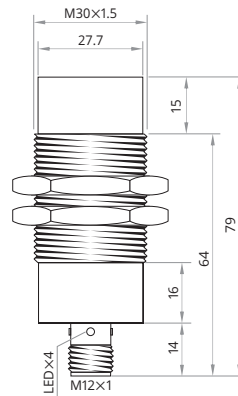
increased
erhöht



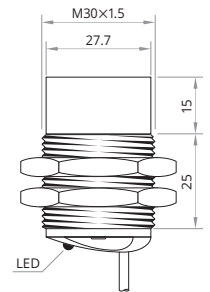
increased
erhöht



increased
erhöht



extended
erweitert



25 mm	25 mm	25 mm	25 mm	40 mm
10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}
built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert
<8 mA	<8 mA	<8 mA	<8 mA	<8 mA
200 mA	200 mA	200 mA	200 mA	200 mA
built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert
<1.5 V @ 200 mA	<1.5 V @ 200 mA	<1.5 V @ 200 mA	<1.5 V @ 200 mA	<1.5 V @ 200 mA
100 Hz	100 Hz	100 Hz	100 Hz	100 Hz
Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85
-25...+75 °C	-25...+75 °C	-25...+75 °C	-25...+75 °C	-25...+75 °C
IP67	IP67	IP67	IP67	IP67
POM	POM	POM	POM	POM
brass Messing	brass Messing	brass Messing	brass Messing	brass Messing
built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert
PVC, ultra-flex	conn. M12 Stecker M12	PVC, ultra-flex	conn. M12 Stecker M12	PVC, ultra-flex
IPS30-N25PO40-A2P	IPS30-N25PO53-A12	IPS30-N25PO55-A2P	IPS30-N25PO79-A12	IPS30-N40PO40-A2P
IPS30-N25PC40-A2P	IPS30-N25PC53-A12	IPS30-N25PC55-A2P	IPS30-N25PC79-A12	IPS30-N40PC40-A2P
	IPS30-N25PCO53-A12	IPS30-N25PCO55-A2P	IPS30-N25PCO79-A12	
IPS30-N25NO40-A2P	IPS30-N25NO53-A12	IPS30-N25NO55-A2P	IPS30-N25NO79-A12	IPS30-N40NO40-A2P
IPS30-N25NC40-A2P	IPS30-N25NC53-A12	IPS30-N25NC55-A2P	IPS30-N25NC79-A12	IPS30-N40NC40-A2P
	IPS30-N25NCO53-A12	IPS30-N25NCO55-A2P	IPS30-N25NCO79-A12	

XECRO reserves the right to make minor changes without prior notification.
XECRO behält sich das Recht auf geringe Änderungen ohne Ankündigung vor.

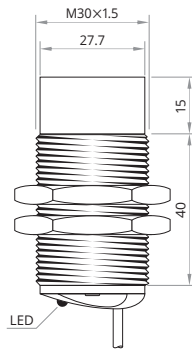
Inductive Proximity Switch 3-Wire DC

Induktive Näherungsschalter 3-Leiter DC

non-flush
nicht bündig
M30×1.5 | 40 mm



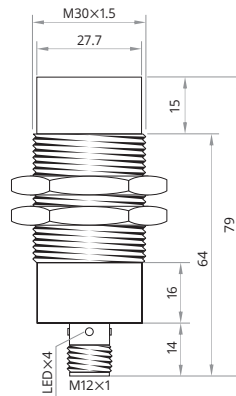
extended
erweitert



non-flush
nicht bündig
M30×1.5 | 40 mm



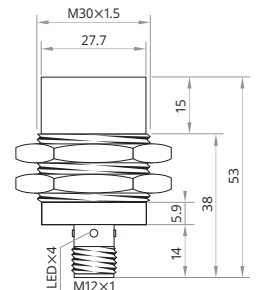
extended
erweitert



non-flush
nicht bündig
M30×1.5 | 40 mm



extended
erweitert



Sensing distance S_n	Schaltabstand S_n	40 mm	40 mm	40 mm
Operating voltage	Betriebsspannung	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}
Reverse polarity protection	Verpolungsschutz	built-in integriert	built-in integriert	built-in integriert
Current consumption	Stromverbrauch	<8 mA	<8 mA	<8 mA
Current load capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA
Short circuit protection	Kurzschlusschutz	built-in integriert	built-in integriert	built-in integriert
Voltage drop	Spannungsabfall	<1.5 V @ 200 mA	<1.5 V @ 200 mA	<1.5 V @ 200 mA
Switching frequency	Schaltfrequenz	100 Hz	100 Hz	100 Hz
Reduction factors	Reduktionsfaktoren	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85
Operating temperature	Betriebstemperatur	-25...+75 °C	-25...+75 °C	-25...+75 °C
Protection class	Schutzklasse	IP67	IP67	IP67
Sensing face material	Sensorflächenwerkstoff	POM	POM	POM
Housing material	Gehäusewerkstoff	brass Messing	brass Messing	brass Messing
Switching indicator	Schaltanzeige	built-in integriert	built-in integriert	built-in integriert
Connection	Anschluss	PVC, ultra-flex	conn. M12 Stecker M12	conn. M12 Stecker M12
Article code PNP, NO	┌─	IPS30-N40PO55-A2P	IPS30-N40PO79-A12	IPS30-N40PO53-A12
Article code PNP, NC	└─	IPS30-N40PC55-A2P	IPS30-N40PC79-A12	IPS30-N40PC53-A12
Article code PNP, NO+NC	┌─+ └─			
Article code NPN, NO	┌─	IPS30-N40NO55-A2P	IPS30-N40NO79-A12	IPS30-N40NO53-A12
Article code NPN, NC	└─	IPS30-N40NC55-A2P	IPS30-N40NC79-A12	IPS30-N40NC53-A12
Article code NPN, NO+NC	┌─+ └─			

non-flush
nicht bündig
M30×1.5 | 50 mm



non-flush
nicht bündig
M30×1.5 | 50 mm



non-flush
nicht bündig
M30×1.5 | 50 mm



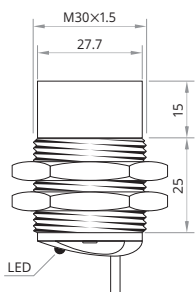
non-flush
nicht bündig
M30×1.5 | 50 mm



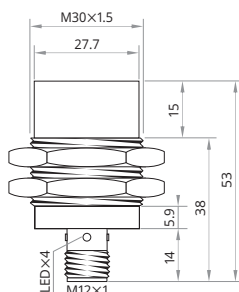
flush
bündig
16×28×12 mm | 1 mm



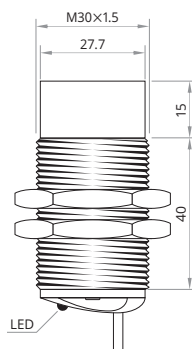
advanced
Hochleistung



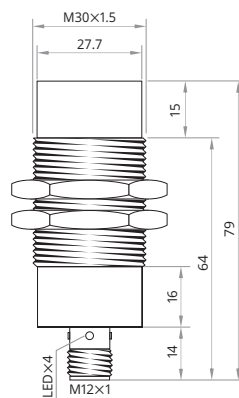
advanced
Hochleistung



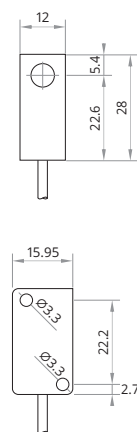
advanced
Hochleistung



advanced
Hochleistung



standard
Standard



50 mm

10...30 V_{DC}

built-in integriert

<8 mA

200 mA

built-in integriert

<1.5 V @ 200 mA

100 Hz

Alu 0.45 · Brs 0.50 · SS 0.85

-25...+75 °C

IP67

POM

brass Messing

built-in integriert

PVC, ultra-flex

IPS30-N50PO40-A2P

IPS30-N50PC40-A2P

IPS30-N50NO40-A2P

IPS30-N50NC40-A2P

50 mm

10...30 V_{DC}

built-in integriert

<8 mA

200 mA

built-in integriert

<1.5 V @ 200 mA

100 Hz

Alu 0.45 · Brs 0.50 · SS 0.85

-25...+75 °C

IP67

POM

brass Messing

built-in integriert

conn. M12 Stecker M12

IPS30-N50PO53-A12

IPS30-N50PC53-A12

IPS30-N50NO53-A12

IPS30-N50NC53-A12

50 mm

10...30 V_{DC}

built-in integriert

<8 mA

200 mA

built-in integriert

<1.5 V @ 200 mA

100 Hz

Alu 0.45 · Brs 0.50 · SS 0.85

-25...+75 °C

IP67

POM

brass Messing

built-in integriert

PVC, ultra-flex

IPS30-N50PO55-A2P

IPS30-N50PC55-A2P

IPS30-N50NO55-A2P

IPS30-N50NC55-A2P

50 mm

10...30 V_{DC}

built-in integriert

<8 mA

200 mA

built-in integriert

<1.5 V @ 200 mA

100 Hz

Alu 0.45 · Brs 0.50 · SS 0.85

-25...+75 °C

IP67

POM

brass Messing

built-in integriert

conn. M12 Stecker M12

IPS30-N50PO79-A12

IPS30-N50PC79-A12

IPS30-N50NO79-A12

IPS30-N50NC79-A12

1 mm

10...30 V_{DC}

built-in integriert

<8 mA

200 mA

built-in integriert

<1.5 V @ 200 mA

2000 Hz

Alu 0.45 · Brs 0.50 · SS 0.85

-25...+75 °C

IP67

PBT

built-in integriert

PVC, ultra-flex

IPS1628-S1POS-A2P

IPS1628-S1PCS-A2P

IPS1628-S1NOS-A2P

IPS1628-S1NCS-A2P

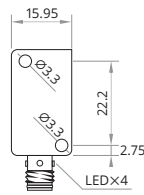
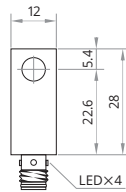
Inductive Proximity Switch 3-Wire DC

Induktive Näherungsschalter 3-Leiter DC

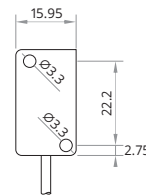
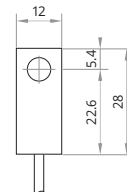
flush bündig $16 \times 28 \times 12 \text{ mm}$ | 1 mm
 non-flush nicht bündig $16 \times 28 \times 12 \text{ mm}$ | 2 mm
 non-flush nicht bündig $16 \times 28 \times 12 \text{ mm}$ | 2 mm



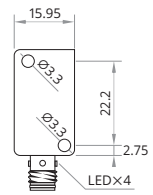
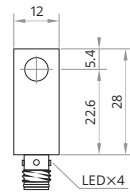
standard
Standard



standard
Standard



standard
Standard

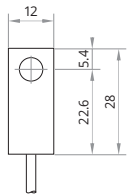


Sensing distance S_n	Schaltabstand S_n	1 mm	2 mm	2 mm
Operating voltage	Betriebsspannung	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}
Reverse polarity protection	Verpolungsschutz	built-in integriert	built-in integriert	built-in integriert
Current consumption	Stromverbrauch	<8 mA	<8 mA	<8 mA
Current load capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA
Short circuit protection	Kurzschlusschutz	built-in integriert	built-in integriert	built-in integriert
Voltage drop	Spannungsabfall	<1.5 V @ 200 mA	<1.5 V @ 200 mA	<1.5 V @ 200 mA
Switching frequency	Schaltfrequenz	2000 Hz	2000 Hz	2000 Hz
Reduction factors	Reduktionsfaktoren	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85
Operating temperature	Betriebstemperatur	-25...+75 °C	-25...+75 °C	-25...+75 °C
Protection class	Schutzklasse	IP67	IP67	IP67
Sensing face material	Sensorflächenwerkstoff	PBT	PBT	PBT
Housing material	Gehäusewerkstoff	PBT	PBT	PBT
Switching indicator	Schaltanzeige	built-in integriert	built-in integriert	built-in integriert
Connection	Anschluss	conn. M8 Stecker M8	PVC, ultra-flex	conn. M8 Stecker M8
Article code PNP, NO	┌─	IPS1628-S1POS-A8	IPS1628-N2POS-A2P	IPS1628-N2POS-A8
Article code PNP, NC	└─	IPS1628-S1PCS-A8	IPS1628-N2PCS-A2P	IPS1628-N2PCS-A8
Article code PNP, NO+NC	┌─+ └─			
Article code NPN, NO	┌─	IPS1628-S1NOS-A8	IPS1628-N2NOS-A2P	IPS1628-N2NOS-A8
Article code NPN, NC	└─	IPS1628-S1NCS-A8	IPS1628-N2NCS-A2P	IPS1628-N2NCS-A8
Article code NPN, NO+NC	┌─+ └─			

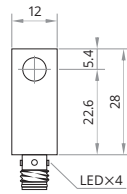
flush bündig | flush bündig | semi-flush quasi-bündig | semi-flush quasi-bündig | non-flush nicht bündig
 16×28×12 mm | 2 mm 16×28×12 mm | 2 mm 16×28×12 mm | 3 mm 16×28×12 mm | 3 mm 16×28×12 mm | 4 mm 16×28×12 mm | 4 mm



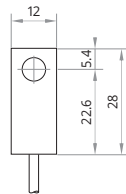
increased erhöht



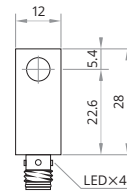
increased erhöht



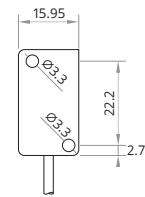
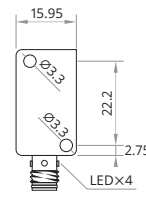
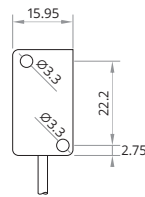
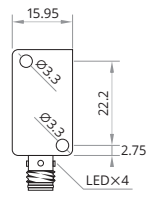
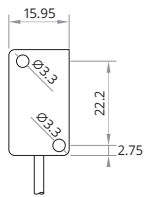
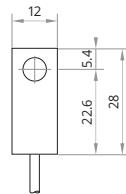
extended erweitert



extended erweitert



increased erhöht



2 mm	2 mm	3 mm	3 mm	4 mm
10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}
built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert
<8 mA	<8 mA	<8 mA	<8 mA	<8 mA
200 mA	200 mA	200 mA	200 mA	200 mA
built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert
<1.5 V @ 200 mA	<1.5 V @ 200 mA	<1.5 V @ 200 mA	<1.5 V @ 200 mA	<1.5 V @ 200 mA
2000 Hz	2000 Hz	2000 Hz	2000 Hz	2000 Hz
Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85
-25...+75 °C	-25...+75 °C	-25...+75 °C	-25...+75 °C	-25...+75 °C
IP67	IP67	IP67	IP67	IP67
PBT	PBT	PBT	PBT	PBT
PBT	PBT	PBT	PBT	PBT
built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert
PVC, ultra-flex	conn. M8 Stecker M8	PVC, ultra-flex	conn. M8 Stecker M8	PVC, ultra-flex
IPS1628-S2POS-A2P	IPS1628-S2POS-A8	IPS1628-S3POS-A2P	IPS1628-S3POS-A8	IPS1628-N4POS-A2P
IPS1628-S2PCS-A2P	IPS1628-S2PCS-A8	IPS1628-S3PCS-A2P	IPS1628-S3PCS-A8	IPS1628-N4PCS-A2P
IPS1628-S2NOS-A2P	IPS1628-S2NOS-A8	IPS1628-S3NOS-A2P	IPS1628-S3NOS-A8	IPS1628-N4NOS-A2P
IPS1628-S2NCS-A2P	IPS1628-S2NCS-A8	IPS1628-S3NCS-A2P	IPS1628-S3NCS-A8	IPS1628-N4NCS-A2P

XECRO reserves the right to make minor changes without prior notification.
XECRO behält sich das Recht auf geringe Änderungen ohne Ankündigung vor.

Inductive Proximity Switch 3-Wire DC

Induktive Näherungsschalter 3-Leiter DC

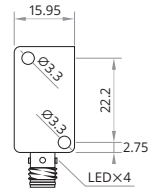
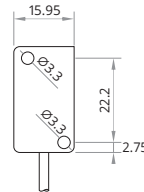
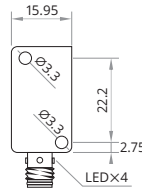
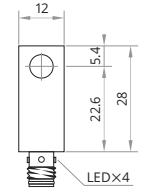
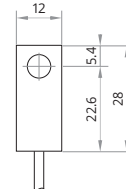
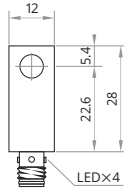
non-flush nicht bündig | 16×28×12 mm | 4 mm
 non-flush nicht bündig | 16×28×12 mm | 6 mm
 non-flush nicht bündig | 16×28×12 mm | 6 mm



increased
erhöht

extended
erweitert

extended
erweitert



Sensing distance S_n	Schaltabstand S_n	4 mm	6 mm	6 mm
Operating voltage	Betriebsspannung	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}
Reverse polarity protection	Verpolungsschutz	built-in integriert	built-in integriert	built-in integriert
Current consumption	Stromverbrauch	< 8 mA	< 8 mA	< 8 mA
Current load capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA
Short circuit protection	Kurzschlusschutz	built-in integriert	built-in integriert	built-in integriert
Voltage drop	Spannungsabfall	< 1.5 V @ 200 mA	< 1.5 V @ 200 mA	< 1.5 V @ 200 mA
Switching frequency	Schaltfrequenz	2000 Hz	2000 Hz	2000 Hz
Reduction factors	Reduktionsfaktoren	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85
Operating temperature	Betriebstemperatur	-25...+75 °C	-25...+75 °C	-25...+75 °C
Protection class	Schutzklasse	IP67	IP67	IP67
Sensing face material	Sensorflächenwerkstoff	PBT	PBT	PBT
Housing material	Gehäusewerkstoff	PBT	PBT	PBT
Switching indicator	Schaltanzeige	built-in integriert	built-in integriert	built-in integriert
Connection	Anschluss	conn. M8 Stecker M8	PVC, ultra-flex	conn. M8 Stecker M8
Article code PNP, NO	┌─	IPS1628-N4POS-A8	IPS1628-N6POS-A2P	IPS1628-N6POS-A8
Article code PNP, NC	└─	IPS1628-N4PCS-A8	IPS1628-N6PCS-A2P	IPS1628-N6PCS-A8
Article code PNP, NO+NC	┌─+ └─			
Article code NPN, NO	┌─	IPS1628-N4NOS-A8	IPS1628-N6NOS-A2P	IPS1628-N6NOS-A8
Article code NPN, NC	└─	IPS1628-N4NCS-A8	IPS1628-N6NCS-A2P	IPS1628-N6NCS-A8
Article code NPN, NO+NC	┌─+ └─			

flush bündig 40×40 mm | 15 mm flush bündig 40×40 mm | 20 mm semi-flush quasi-bündig 40×40 mm | 25 mm non-flush nicht bündig 40×40 mm | 30 mm non-flush nicht bündig 40×40 mm | 40 mm



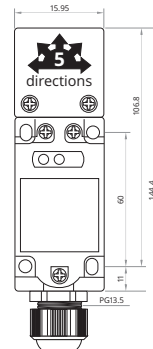
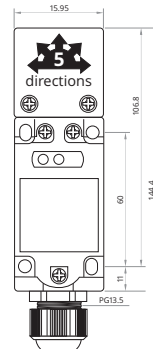
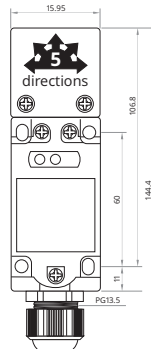
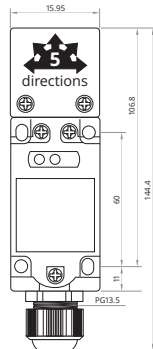
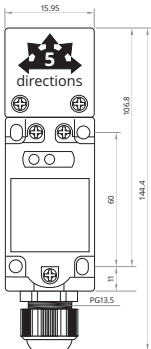
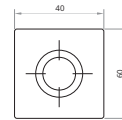
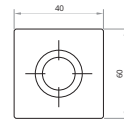
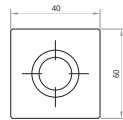
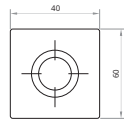
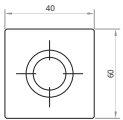
standard
Standard

increased
erhöht

increased
erhöht

increased
erhöht

extended
erweitert



15 mm	20 mm	25 mm	30 mm	40 mm
10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}
built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert
< 11 mA	< 11 mA	< 11 mA	< 11 mA	< 11 mA
200 mA	200 mA	200 mA	200 mA	200 mA
built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert
< 2 V @ 200 mA	< 2 V @ 200 mA	< 2 V @ 200 mA	< 2 V @ 200 mA	< 2 V @ 200 mA
120 Hz	120 Hz	120 Hz	120 Hz	120 Hz
Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85
-25...+75 °C	-25...+75 °C	-25...+75 °C	-25...+75 °C	-25...+75 °C
IP67	IP67	IP67	IP67	IP67
PBT	PBT	PBT	PBT	PBT
PBT	PBT	PBT	PBT	PBT
built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert
terminal Klemme	terminal Klemme	terminal Klemme	terminal Klemme	terminal Klemme

IPS40-S15PCOL-PG13 IPS40-S20PCOL-PG13 IPS40-S25PCOL-PG13 IPS40-N30PCOL-PG13 IPS40-N40PCOL-PG13

IPS40-S15NCOL-PG13 IPS40-S20NCOL-PG13 IPS40-S25NCOL-PG13 IPS40-N30NCOL-PG13 IPS40-N40NCOL-PG13