

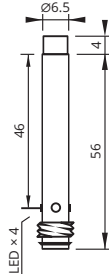
Inductive Proximity Switch
3-Wire DC

Induktive Näherungsschalter
3-Leiter DC

unshielded
nicht bündig
Ø 6.5 mm | 6 mm



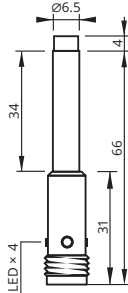
extended
erweitert



unshielded
nicht bündig
Ø 6.5 mm | 6 mm



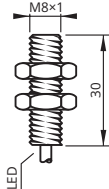
extended
erweitert



shielded
bündig
M8 x 1 | 1 mm



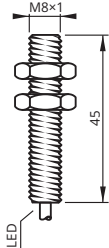
standard



shielded
bündig
M8 x 1 | 1 mm



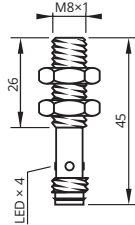
standard



shielded
bündig
M8 x 1 | 1 mm



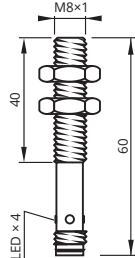
standard



shielded
bündig
M8 x 1 | 1 mm



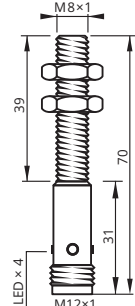
standard



shielded
bündig
M8 x 1 | 1 mm



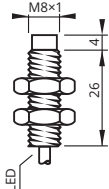
standard



unshielded
nicht bündig
M8 x 1 | 2 mm



standard



Sensing distance S_n	Schaltabstand S_n	6 mm		6 mm		1 mm		1 mm		1 mm		1 mm		1 mm		2 mm	
Operating voltage	Betriebsspannung	10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}		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		built-in integriert		built-in integriert		built-in integriert		built-in integriert		built-in integriert	
Current consumption	Stromverbrauch	<8 mA		<8 mA		<8 mA		<8 mA		<8 mA		<8 mA		<8 mA		<8 mA	
Current load capability	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA		200 mA		200 mA		200 mA		200 mA		200 mA	
Short circuit protection	Kurzschlussschutz	built-in integriert		built-in integriert		built-in integriert		built-in integriert		built-in integriert		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		<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	
Switching frequency	Schaltfrequenz	500 Hz		500 Hz		2000 Hz		2000 Hz		2000 Hz		2000 Hz		2000 Hz		2000 Hz	
Correction factor	Korrekturfaktor	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		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		-25...+75 °C		-25...+75 °C		-25...+75 °C		-25...+75 °C		-25...+75 °C	
Protection class	Schutzklasse	IP67		IP67		IP67		IP67		IP67		IP67		IP67		IP67	
Sensing face	Sensorfläche	POM		POM		POM		POM		POM		POM		POM		POM	
Housing material	Gehäusewerkstoff	SS304 V2A		SS304 V2A		SS304 V2A		SS304 V2A		SS304 V2A		SS304 V2A		SS304 V2A		SS304 V2A	
Switching indicator	Schaltanzeige	built-in integriert		built-in integriert		built-in integriert		built-in integriert		built-in integriert		built-in integriert		built-in integriert		built-in integriert	
Connection	Anschluss	conn. M8 M8-Stecker		conn. M12 M12-Stecker		PVC, ultra-flex		PVC, ultra-flex		conn. M8 M8-Stecker		conn. M8 M8-Stecker		conn. M12 M12-Stecker		PVC, ultra-flex	
Article code PNP, NO	└┐	IPSD6-N6PO60-A8		IPSD6-N6PO70-A12		IPS8-S1PO30-A2P		IPS8-S1PO45-A2P		IPS8-S1PO45-A8		IPS8-S1PO60-A8		IPS8-S1PO70-A12		IPS8-N2PO30-A2P	
Article code PNP, NC	└┘	IPSD6-N6PC60-A8		IPSD6-N6PC70-A12		IPS8-S1PC30-A2P		IPS8-S1PC45-A2P		IPS8-S1PC45-A8		IPS8-S1PC60-A8		IPS8-S1PC70-A12		IPS8-N2PC30-A2P	
Article code PNP, NO+NC	└┐└┘																
Article code NPN, NO	└┐	IPSD6-N6NO60-A8		IPSD6-N6NO70-A12		IPS8-S1NO30-A2P		IPS8-S1NO45-A2P		IPS8-S1NO45-A8		IPS8-S1NO60-A8		IPS8-S1NO70-A12		IPS8-N2NO30-A2P	
Article code NPN, NC	└┘	IPSD6-N6NC60-A8		IPSD6-N6NC70-A12		IPS8-S1NC30-A2P		IPS8-S1NC45-A2P		IPS8-S1NC45-A8		IPS8-S1NC60-A8		IPS8-S1NC70-A12		IPS8-N2NC30-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.

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

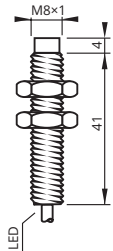
Inductive Proximity Switch
3-Wire DC

Induktive Näherungsschalter
3-Leiter DC

unshielded
nicht bündig
M8 × 1 | 2 mm



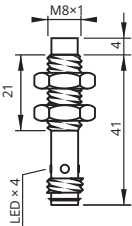
standard



unshielded
nicht bündig
M8 × 1 | 2 mm



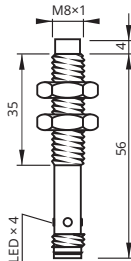
standard



unshielded
nicht bündig
M8 × 1 | 2 mm



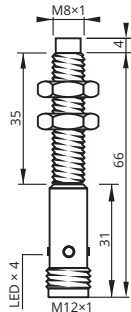
standard



unshielded
nicht bündig
M8 × 1 | 2 mm



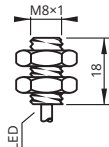
standard



shielded
bündig
M8 × 1 | 2 mm



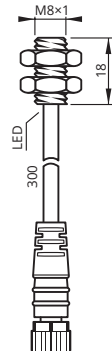
increased
erhöht



shielded
bündig
M8 × 1 | 2 mm



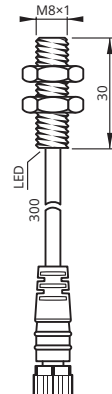
increased
erhöht



shielded
bündig
M8 × 1 | 2 mm



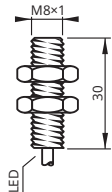
increased
erhöht



shielded
bündig
M8 × 1 | 2 mm



increased
erhöht



Sensing distance S_n	Schaltabstand S_n	2 mm	2 mm	2 mm	2 mm	2 mm	2 mm	2 mm	2 mm
Operating voltage	Betriebsspannung	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}	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	built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert
Current consumption	Stromverbrauch	<8 mA	<8 mA	<8 mA	<8 mA	<8 mA	<8 mA	<8 mA	<8 mA
Current load capability	Ausgangsbelaastbarkeit	200 mA	200 mA	200 mA	200 mA	200 mA	200 mA	200 mA	200 mA
Short circuit protection	Kurzschlussschutz	built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert	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	<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
Switching frequency	Schaltfrequenz	2000 Hz	2000 Hz	2000 Hz	2000 Hz	2000 Hz	2000 Hz	2000 Hz	2000 Hz
Correction factor	Korrekturfaktor	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	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	-25...+75 °C	-25...+75 °C	-25...+75 °C	-25...+75 °C	-25...+75 °C
Protection class	Schutzklasse	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67
Sensing face	Sensorfläche	POM	POM	POM	POM	POM	POM	POM	POM
Housing material	Gehäusewerkstoff	SS304 V2A	SS304 V2A	SS304 V2A	SS304 V2A	SS304 V2A	SS304 V2A	SS304 V2A	SS304 V2A
Switching indicator	Schaltanzeige	built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert
Connection	Anschluss	PVC, ultra-flex	conn. M8 M8-Stecker	conn. M8 M8-Stecker	conn. M12 M12-Stecker	PVC, ultra-flex	PUR, 300 mm, M8	PUR, 300 mm, M8	PVC, ultra-flex
Article code PNP, NO	—	IPS8-N2PO45-A2P	IPS8-N2PO45-A8	IPS8-N2PO60-A8	IPS8-N2PO70-A12	IPS8-S2PO18-A2P	IPS8-S2PO18-3U8	IPS8-S2PO30-3U8	IPS8-S2PO30-A2P
Article code PNP, NC	—	IPS8-N2PC45-A2P	IPS8-N2PC45-A8	IPS8-N2PC60-A8	IPS8-N2PC70-A12	IPS8-S2PC18-A2P	IPS8-S2PC18-3U8	IPS8-S2PC30-3U8	IPS8-S2PC30-A2P
Article code PNP, NO+NC	—+ —								
Article code NPN, NO	—	IPS8-N2NO45-A2P	IPS8-N2NO45-A8	IPS8-N2NO60-A8	IPS8-N2NO70-A12	IPS8-S2NO18-A2P	IPS8-S2NO18-3U8	IPS8-S2NO30-3U8	IPS8-S2NO30-A2P
Article code NPN, NC	—	IPS8-N2NC45-A2P	IPS8-N2NC45-A8	IPS8-N2NC60-A8	IPS8-N2NC70-A12	IPS8-S2NC18-A2P	IPS8-S2NC18-3U8	IPS8-S2NC30-3U8	IPS8-S2NC30-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.

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

shielded
bündig
M8 × 1 | 2 mm



shielded
bündig
M8 × 1 | 2 mm



shielded
bündig
M8 × 1 | 2 mm



shielded
bündig
M8 × 1 | 2 mm



shielded
bündig
M8 × 1 | 2 mm



shielded
bündig
M8 × 1 | 2 mm



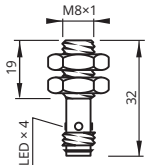
semi-shielded
quasi-bündig
M8 × 1 | 3 mm



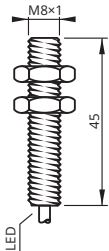
semi-shielded
quasi-bündig
M8 × 1 | 3 mm



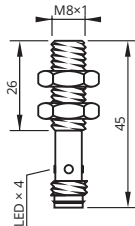
increased
erhöht



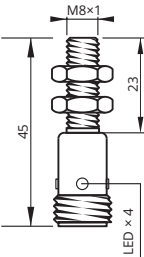
increased
erhöht



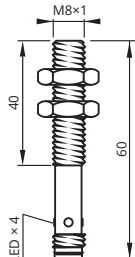
increased
erhöht



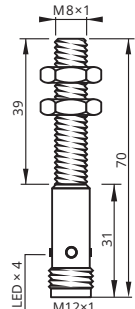
increased
erhöht



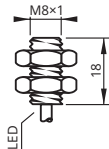
increased
erhöht



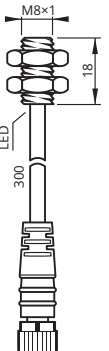
increased
erhöht



extended
erweitert



extended
erweitert



Sensing distance S_n	Schaltabstand S_n	2 mm	2 mm	2 mm	2 mm	2 mm	2 mm	2 mm	3 mm	3 mm
Operating voltage	Betriebsspannung	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}	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	built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert
Current consumption	Stromverbrauch	<8 mA	<8 mA	<8 mA	<8 mA	<8 mA	<8 mA	<8 mA	<8 mA	<8 mA
Current load capability	Ausgangsbelaastbarkeit	200 mA	200 mA	200 mA	200 mA	200 mA	200 mA	200 mA	200 mA	200 mA
Short circuit protection	Kurzschlussschutz	built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert	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	<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	<1.5 V @ 200 mA
Switching frequency	Schaltfrequenz	2000 Hz	2000 Hz	2000 Hz	2000 Hz	2000 Hz	2000 Hz	2000 Hz	1000 Hz	1000 Hz
Correction factor	Korrekturfaktor	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	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
Operating temperature	Betriebstemperatur	-25...+75 °C	-25...+75 °C	-25...+75 °C	-25...+75 °C	-25...+75 °C	-25...+75 °C	-25...+75 °C	-25...+75 °C	-25...+75 °C
Protection class	Schutzklasse	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67
Sensing face	Sensorfläche	POM	POM	POM	POM	POM	POM	POM	POM	POM
Housing material	Gehäusewerkstoff	SS304 V2A	SS304 V2A	SS304 V2A	SS304 V2A	SS304 V2A	SS304 V2A	SS304 V2A	SS304 V2A	SS304 V2A
Switching indicator	Schaltanzeige	built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert
Connection	Anschluss	conn. M8 M8-Stecker	PVC, ultra-flex	conn. M8 M8-Stecker	conn. M12 M12-Stecker	conn. M8 M8-Stecker	conn. M12 M12-Stecker	PVC, ultra-flex	PUR, 300 mm, M8	
Article code PNP, NO	┌─	IPS8-S2PO32-A8	IPS8-S2PO45-A2P	IPS8-S2PO45-A8	IPS8-S2PO45-A12	IPS8-S2PO60-A8	IPS8-S2PO70-A12	IPS8-S3PO18-A2P	IPS8-S3PO18-3U8	
Article code PNP, NC	└─	IPS8-S2PC32-A8	IPS8-S2PC45-A2P	IPS8-S2PC45-A8	IPS8-S2PC45-A12	IPS8-S2PC60-A8	IPS8-S2PC70-A12	IPS8-S3PC18-A2P	IPS8-S3PC18-3U8	
Article code PNP, NO+NC	┌─+└─		IPS8-S2PCO45-A2P			IPS8-S2PCO60-A8	IPS8-S2PCO70-A12			
Article code NPN, NO	┌─	IPS8-S2NO32-A8	IPS8-S2NO45-A2P	IPS8-S2NO45-A8	IPS8-S2NO45-A12	IPS8-S2NO60-A8	IPS8-S2NO70-A12	IPS8-S3NO18-A2P	IPS8-S3NO18-3U8	
Article code NPN, NC	└─	IPS8-S2NC32-A8	IPS8-S2NC45-A2P	IPS8-S2NC45-A8	IPS8-S2NC45-A12	IPS8-S2NC60-A8	IPS8-S2NC70-A12	IPS8-S3NC18-A2P	IPS8-S3NC18-3U8	
Article code NPN, NO+NC	┌─+└─		IPS8-S2NCO45-A2P			IPS8-S2NCO60-A8	IPS8-S2NCO70-A12			

Mind O ≠ 0, I ≠ I ≠ 1, S ≠ 5, B ≠ 8. O ≠ 0, I ≠ I ≠ 1, S ≠ 5, B ≠ 8 beachten. Xecro reserves the right to make minor changes without prior notification. Xecro behält sich das Recht auf geringe Änderungen ohne Ankündigung vor.