

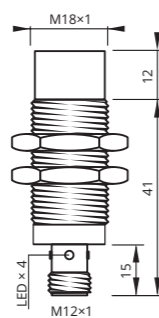
Inductive Proximity Switch
3-Wire DC

Induktive Näherungsschalter
3-Leiter DC

unshielded
nicht bündig
M18 × 1 | 20 mm



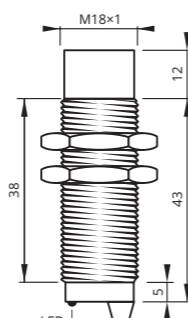
extended
erweitert



unshielded
nicht bündig
M18 × 1 | 20 mm



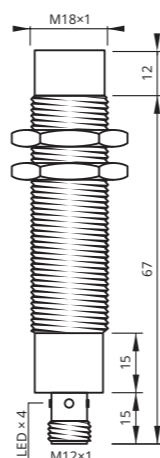
extended
erweitert



unshielded
nicht bündig
M18 × 1 | 20 mm



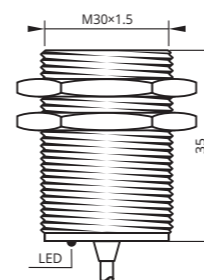
extended
erweitert



shielded
bündig
M30 × 1.5 | 10 mm



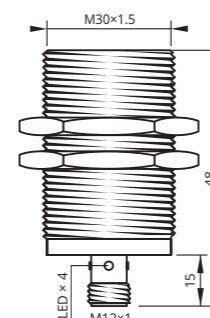
standard



shielded
bündig
M30 × 1.5 | 10 mm



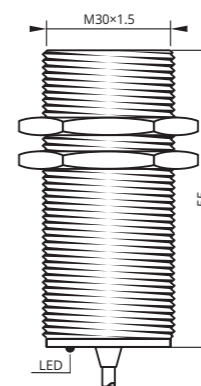
standard



shielded
bündig
M30 × 1.5 | 10 mm



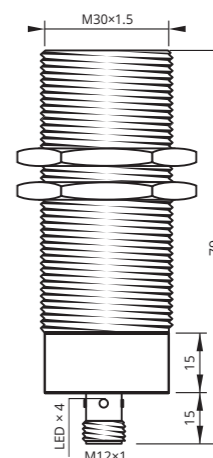
standard



shielded
bündig
M30 × 1.5 | 10 mm



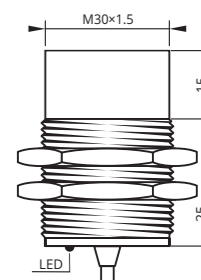
standard



unshielded
nicht bündig
M30 × 1.5 | 15 mm



standard



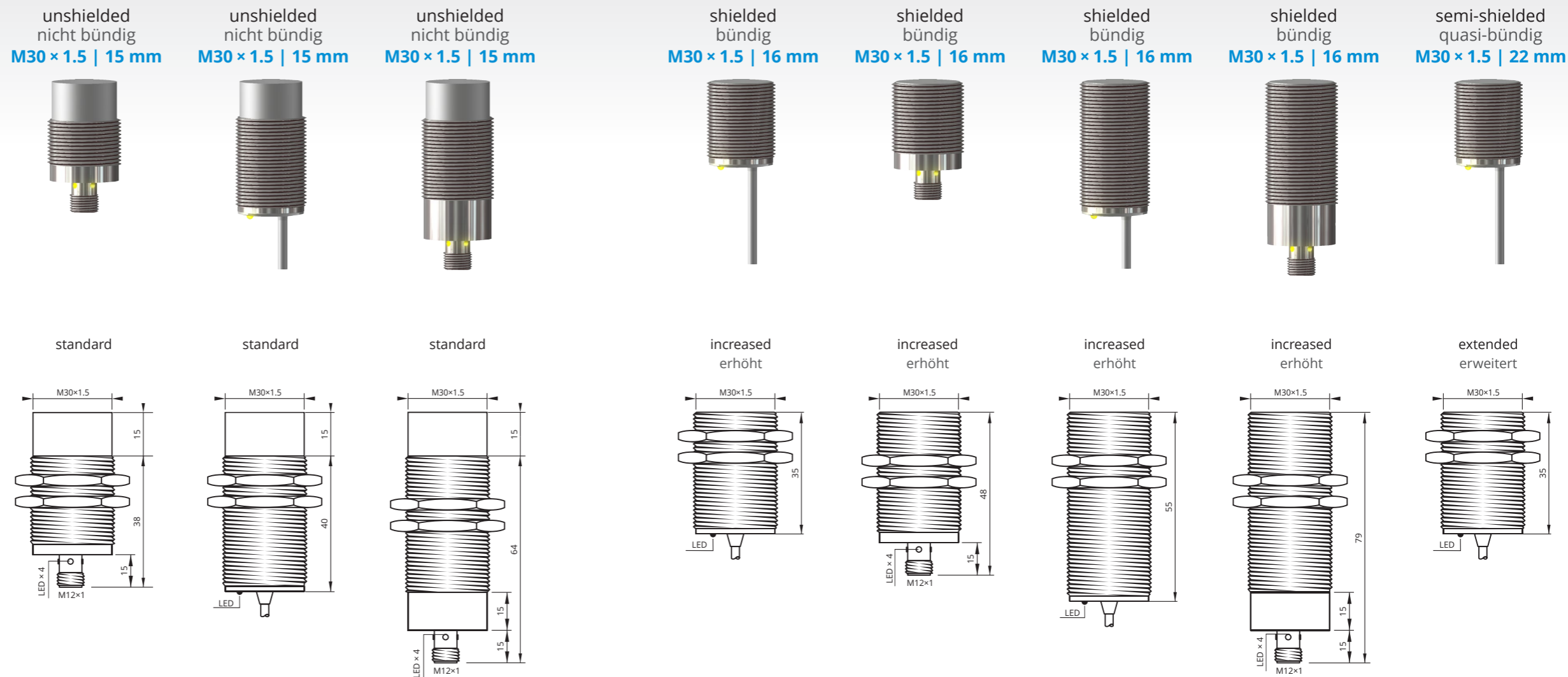
Sensing distance S_n	Schaltabstand S_n	20 mm	20 mm	20 mm	10 mm	10 mm	10 mm	10 mm	15 mm
Operating voltage	Betriebsspannung	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}
Reverse polarity protection	Verpolungsschutz	built-in 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	Ausgangsbelaubarkeit	200 mA	200 mA	200 mA	200 mA	200 mA	200 mA	200 mA	200 mA
Short circuit protection	Kurzschlusschutz	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	100 Hz	100 Hz	100 Hz	300 Hz	300 Hz	300 Hz	300 Hz	150 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	brass Messing	brass Messing	brass Messing	brass Messing	brass Messing	brass Messing	brass Messing	brass Messing
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. M12 M12-Stecker	PVC, ultra-flex	conn. M12 M12-Stecker	PVC, ultra-flex	conn. M12 M12-Stecker	PVC, ultra-flex	conn. M12 M12-Stecker	PVC, ultra-flex
Article code PNP, NO	—	IPS18-N20PO53-A12	IPS18-N20PO55-A2P	IPS18-N20PO79-A12	IPS30-S10PO35-A2P	IPS30-S10PO48-A12	IPS30-S10PO55-A2P	IPS30-S10PO79-A12	IPS30-N15PO40-A2P
Article code PNP, NC	—	IPS18-N20PC53-A12	IPS18-N20PC55-A2P	IPS18-N20PC79-A12	IPS30-S10PC35-A2P	IPS30-S10PC48-A12	IPS30-S10PC55-A2P	IPS30-S10PC79-A12	IPS30-N15PC40-A2P
Article code PNP, NO+NC	—+ —								
Article code NPN, NO	—	IPS18-N20NO53-A12	IPS18-N20NO55-A2P	IPS18-N20NO79-A12	IPS30-S10NO35-A2P	IPS30-S10NO48-A12	IPS30-S10NO55-A2P	IPS30-S10NO79-A12	IPS30-N15NO40-A2P
Article code NPN, NC	—	IPS18-N20NC53-A12	IPS18-N20NC55-A2P	IPS18-N20NC79-A12	IPS30-S10NC35-A2P	IPS30-S10NC48-A12	IPS30-S10NC55-A2P	IPS30-S10NC79-A12	IPS30-N15NC40-A2P
Article code NPN, NO+NC	—+ —								

Mind O ≠ 0, I ≠ 1 ≠ 1, S ≠ 5, B ≠ 8. O ≠ 0, I ≠ 1 ≠ 1, S ≠ 5, B ≠ 8 beachten.

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Inductive Proximity Switch
3-Wire DC

Induktive Näherungsschalter
3-Leiter DC



Sensing distance S_n	Schaltabstand S_n	15 mm	15 mm	15 mm	16 mm	16 mm	16 mm	16 mm	22 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	Kurzschlusschutz	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	150 Hz	150 Hz	150 Hz	150 Hz	150 Hz	150 Hz	150 Hz	150 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	brass Messing	brass Messing	brass Messing	brass Messing	brass Messing	brass Messing	brass Messing	brass Messing
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. M12 M12-Stecker	PVC, ultra-flex	conn. M12 M12-Stecker	PVC, ultra-flex	conn. M12 M12-Stecker	PVC, ultra-flex	conn. M12 M12-Stecker	PVC, ultra-flex
Article code PNP, NO	—	IPS30-N15PO53-A12	IPS30-N15PO55-A2P	IPS30-N15PO79-A12	IPS30-S16PO35-A2P	IPS30-S16PO48-A12	IPS30-S16PO55-A2P	IPS30-S16PO79-A12	IPS30-S22PO35-A2P
Article code PNP, NC	—	IPS30-N15PC53-A12	IPS30-N15PC55-A2P	IPS30-N15PC79-A12	IPS30-S16PC35-A2P	IPS30-S16PC48-A12	IPS30-S16PC55-A2P	IPS30-S16PC79-A12	IPS30-S22PC35-A2P
Article code PNP, NO+NC	—+ —				IPS30-S16PCO35-A2P	IPS30-S16PCO48-A12	IPS30-S16PCO55-A2P		
Article code NPN, NO	—	IPS30-N15NO53-A12	IPS30-N15NO55-A2P	IPS30-N15NO79-A12	IPS30-S16NO35-A2P	IPS30-S16NO48-A12	IPS30-S16NO55-A2P	IPS30-S16NO79-A12	IPS30-S22NO35-A2P
Article code NPN, NC	—	IPS30-N15NC53-A12	IPS30-N15NC55-A2P	IPS30-N15NC79-A12	IPS30-S16NC35-A2P	IPS30-S16NC48-A12	IPS30-S16NC55-A2P	IPS30-S16NC79-A12	IPS30-S22NC35-A2P
Article code NPN, NO+NC	—+ —				IPS30-S16NCO35-A2P	IPS30-S16NCO48-A12	IPS30-S16NCO55-A2P		

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