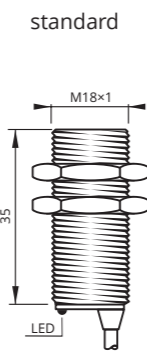


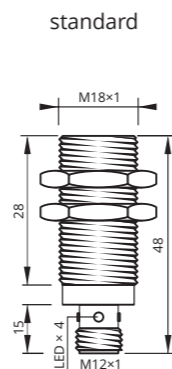
Inductive Proximity Switch  
**2-Wire Alternating Current**

Induktive Näherungsschalter  
**2-Leiter Wechselstrom**

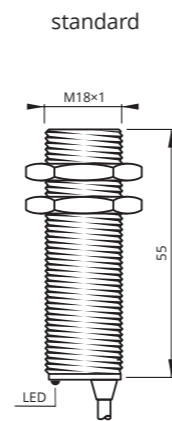
shielded  
bündig  
M12 × 1 | 5 mm



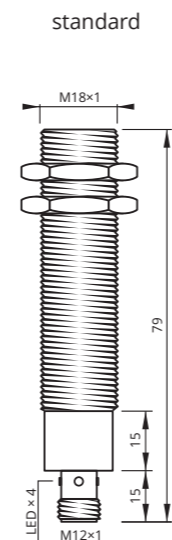
shielded  
bündig  
M12 × 1 | 5 mm



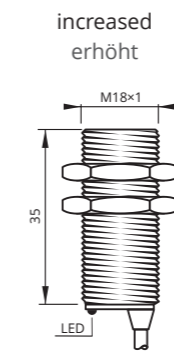
shielded  
bündig  
M18 × 1 | 5 mm



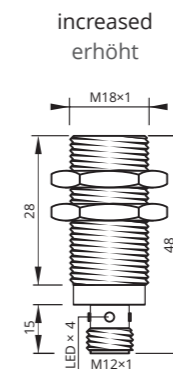
shielded  
bündig  
M18 × 1 | 5 mm



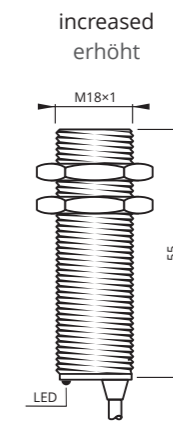
shielded  
bündig  
M12 × 1 | 8 mm



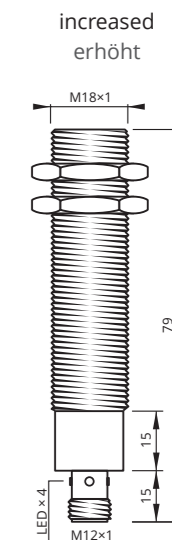
shielded  
bündig  
M12 × 1 | 8 mm



shielded  
bündig  
M18 × 1 | 8 mm



shielded  
bündig  
M18 × 1 | 8 mm



Sensing distance $S_n$	Schaltabstand $S_n$	5 mm	5 mm	5 mm	5 mm	8 mm	8 mm	8 mm	8 mm
Operating voltage	Betriebsspannung	20...250 V <sub>AC</sub>	20...250 V <sub>AC</sub>	20...250 V <sub>AC</sub>	20...250 V <sub>AC</sub>	20...250 V <sub>AC</sub>	20...250 V <sub>AC</sub>	20...250 V <sub>AC</sub>	20...250 V <sub>AC</sub>
Reverse polarity protection	Verpolungsschutz	not required nicht nötig	not required nicht nötig	not required nicht nötig	not required nicht nötig	not required nicht nötig	not required nicht nötig	not required nicht nötig	not required nicht nötig
Current consumption	Stromverbrauch	<3 mA	<3 mA	<3 mA	<3 mA	<3 mA	<3 mA	<3 mA	<3 mA
Current load capability	Ausgangsbelaubarkeit	400 mA	400 mA	400 mA	400 mA	400 mA	400 mA	400 mA	400 mA
Voltage drop	Spannungsabfall	<8 V @ 400 mA	<8 V @ 400 mA	<8 V @ 400 mA	<8 V @ 400 mA	<8 V @ 400 mA	<8 V @ 400 mA	<8 V @ 400 mA	<8 V @ 400 mA
Switching frequency	Schaltfrequenz	25 Hz	25 Hz	25 Hz	25 Hz	25 Hz	25 Hz	25 Hz	25 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 material	Sensorflächenwerkstoff	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	PVC, ultra-flex	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
Article code NO	└	IPS18-S5AO35-A2P	IPS18-S5AO48-A12	IPS18-S5AO55-A2P	IPS18-S5AO79-A12	IPS18-S8AO35-A2P	IPS18-S8AO48-A12	IPS18-S8AO55-A2P	IPS18-S8AO79-A12
Article code NC	└	IPS18-S5AC35-A2P	IPS18-S5AC48-A12	IPS18-S5AC55-A2P	IPS18-S5AC79-A12	IPS18-S8AC35-A2P	IPS18-S8AC48-A12	IPS18-S8AC55-A2P	IPS18-S8AC79-A12

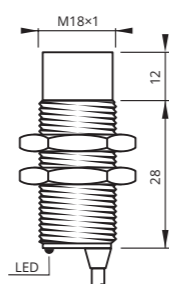
Inductive Proximity Switch  
**2-Wire Alternating Current**

Induktive Näherungsschalter  
**2-Leiter Wechselstrom**

unshielded  
nicht bündig  
**M18 × 1 | 8 mm**



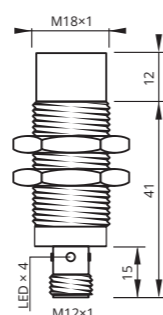
standard



unshielded  
nicht bündig  
**M18 × 1 | 8 mm**



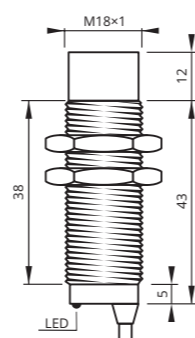
standard



unshielded  
nicht bündig  
**M18 × 1 | 8 mm**



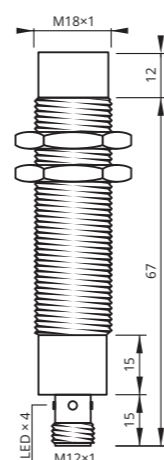
standard



unshielded  
nicht bündig  
**M18 × 1 | 8 mm**



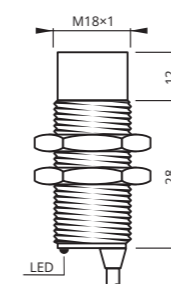
standard



unshielded  
nicht bündig  
**M18 × 1 | 16 mm**



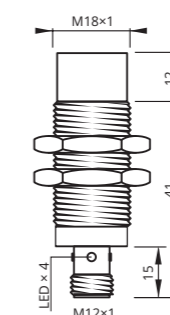
increased  
erhöht



unshielded  
nicht bündig  
**M18 × 1 | 16 mm**



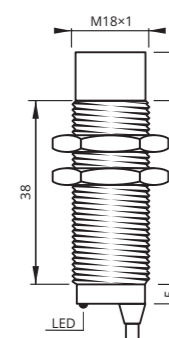
increased  
erhöht



unshielded  
nicht bündig  
**M18 × 1 | 16 mm**



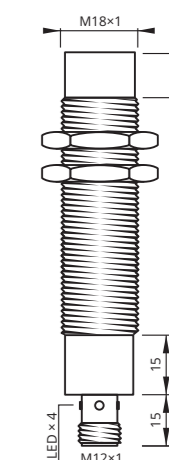
increased  
erhöht



unshielded  
nicht bündig  
**M18 × 1 | 16 mm**



increased  
erhöht



Sensing distance $S_n$	Schaltabstand $S_n$	8 mm	8 mm	8 mm	8 mm	16 mm	16 mm	16 mm	16 mm
Operating voltage	Betriebsspannung	20...250 V <sub>AC</sub>	20...250 V <sub>AC</sub>	20...250 V <sub>AC</sub>	20...250 V <sub>AC</sub>	20...250 V <sub>AC</sub>	20...250 V <sub>AC</sub>	20...250 V <sub>AC</sub>	20...250 V <sub>AC</sub>
Reverse polarity protection	Verpolungsschutz	not required nicht nötig	not required nicht nötig	not required nicht nötig	not required nicht nötig	not required nicht nötig	not required nicht nötig	not required nicht nötig	not required nicht nötig
Current consumption	Stromverbrauch	<3 mA	<3 mA	<3 mA	<3 mA	<3 mA	<3 mA	<3 mA	<3 mA
Current load capability	Ausgangsbearbeitbarkeit	400 mA	400 mA	400 mA	400 mA	400 mA	400 mA	400 mA	400 mA
Voltage drop	Spannungsabfall	<8 V @ 400 mA	<8 V @ 400 mA	<8 V @ 400 mA	<8 V @ 400 mA	<8 V @ 400 mA	<8 V @ 400 mA	<8 V @ 400 mA	<8 V @ 400 mA
Switching frequency	Schaltfrequenz	25 Hz	25 Hz	25 Hz	25 Hz	25 Hz	25 Hz	25 Hz	25 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 material	Sensorflächenwerkstoff	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	PVC, ultra-flex	conn. M12 M12-Stecker	PVC, ultra-flex	conn. M12 M12-Stecker	conn. M12 M12-Stecker	conn. M12 M12-Stecker	conn. M12 M12-Stecker	conn. M12 M12-Stecker
Article code NO	—	IPS18-N8AO40-A2P	IPS18-N8AO53-A12	IPS18-N8AO55-A2P	IPS18-N8AO79-A12	IPS18-N16AO40-A12	IPS18-N16AO53-A12	IPS18-N16AO55-A12	IPS18-N16AO79-A12
Article code NC	—	IPS18-N8AC40-A2P	IPS18-N8AC53-A12	IPS18-N8AC55-A2P	IPS18-N8AC79-A12	IPS18-N16AC40-A12	IPS18-N16AC53-A12	IPS18-N16AC55-A12	IPS18-N16AC79-A12