

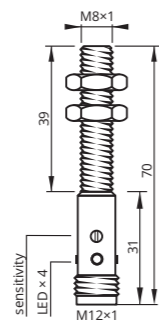
Capacitive Proximity Switch  
**3-Wire DC**

Kapazitive Näherungsschalter  
**3-Leiter DC**

shielded  
bündig  
M8 × 1 | 2 mm



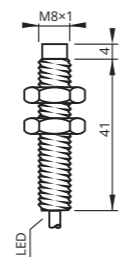
increased  
erhöht



unshielded  
nicht bündig  
M8 × 1 | 4 mm



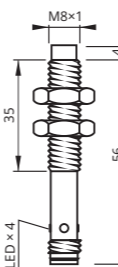
increased  
erhöht



unshielded  
nicht bündig  
M8 × 1 | 4 mm



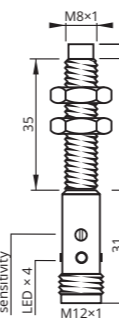
increased  
erhöht



unshielded  
nicht bündig  
M8 × 1 | 4 mm



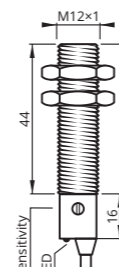
increased  
erhöht



shielded  
bündig  
M12 × 1 | 4 mm



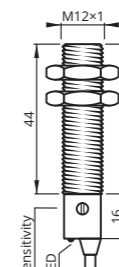
increased  
erhöht



shielded  
bündig  
M12 × 1 | 4 mm



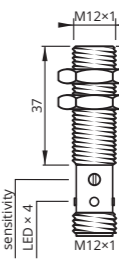
increased  
erhöht



shielded  
bündig  
M12 × 1 | 4 mm



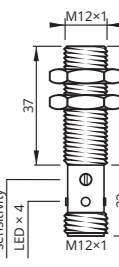
increased  
erhöht



shielded  
bündig  
M12 × 1 | 4 mm



increased  
erhöht



Sensing distance $S_n$	Schaltabstand $S_n$	2 mm	4 mm	4 mm	4 mm	4 mm	4 mm	4 mm	4 mm	4 mm	4 mm
Operating voltage	Betriebsspannung	10...30 V <sub>DC</sub>	10...30 V <sub>DC</sub>	10...30 V <sub>DC</sub>	10...30 V <sub>DC</sub>	10...30 V <sub>DC</sub>	10...30 V <sub>DC</sub>	10...30 V <sub>DC</sub>	10...30 V <sub>DC</sub>	10...30 V <sub>DC</sub>	10...30 V <sub>DC</sub>
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	built-in integriert
Current consumption	Stromverbrauch	<9 mA	<9 mA	<9 mA	<9 mA	<9 mA	<9 mA	<9 mA	<9 mA	<9 mA	<9 mA
Current load capability	Ausgangsbelastbarkeit	200 mA	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	built-in integriert
Voltage drop	Spannungsabfall	<2 V @ 200 mA	<2 V @ 200 mA	<2 V @ 200 mA	<2 V @ 200 mA	<2 V @ 200 mA	<2 V @ 200 mA	<2 V @ 200 mA	<2 V @ 200 mA	<2 V @ 200 mA	<2 V @ 200 mA
Switching frequency	Schaltfrequenz	100 Hz	100 Hz	100 Hz	100 Hz	100 Hz	100 Hz	100 Hz	100 Hz	100 Hz	100 Hz
Adjustment	Einstellung	multiturn pot Mehrgangpoti		multiturn pot Mehrgangpoti		multiturn pot Mehrgangpoti		multiturn pot Mehrgangpoti		multiturn pot Mehrgangpoti	
Operating temperature	Betriebstemperatur	-25...+70 °C		-25...+70 °C		-25...+70 °C		-25...+70 °C		-25...+70 °C	
Protection class	Schutzklasse	IP 67		IP 67		IP 67		IP 67		IP 67	
Sensing face material	Sensorflächenwerkstoff	POM		POM		POM		POM		POM	
Housing material	Gehäusewerkstoff	SS304 V2A	SS304 V2A	SS304 V2A	SS304 V2A	SS304 V2A	brass Messing	PBT	brass Messing	PBT	PBT
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	built-in integriert
Connection	Anschluss	conn. M12 M12-Stecker	PVC, ultra-flex	conn. M8 M8-Stecker	conn. M12 M12-Stecker	PVC, ultra-flex	PVC, ultra-flex	conn. M12 M12-Stecker	conn. M12 M12-Stecker	conn. M12 M12-Stecker	conn. M12 M12-Stecker
Article code PNP, NO	└	CS8-S2PO70-A12	CS8-N4PO45-A2P	CS8-N4PO60-A8	CS8-N4PO70-A12	CS12-S4PO60-A2P	CS12-S4PO60-A2P	CS12-S4PO60-A12	CS12-S4PO60-A12	CS12-S4PO60-A12	CS12-S4PO60-A12
Article code PNP, NC	┌	CS8-S2PC70-A12	CS8-N4PC45-A2P	CS8-N4PC60-A8	CS8-N4PC70-A12	CS12-S4PC60-A2P	CS12-S4PC60-A2P	CS12-S4PC60-A12	CS12-S4PC60-A12	CS12-S4PC60-A12	CS12-S4PC60-A12
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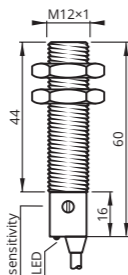
Capacitive Proximity Switch  
**3-Wire DC**

Kapazitive Näherungsschalter  
**3-Leiter DC**

shielded  
bündig  
M12 × 1 | 6 mm



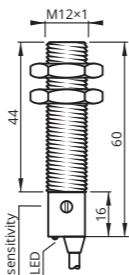
extended  
erweitert



shielded  
bündig  
M12 × 1 | 6 mm



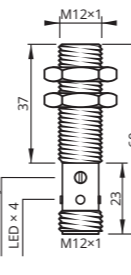
extended  
erweitert



shielded  
bündig  
M12 × 1 | 6 mm



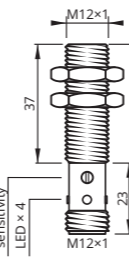
extended  
erweitert



shielded  
bündig  
M12 × 1 | 6 mm



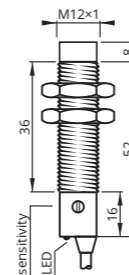
extended  
erweitert



unshielded  
nicht bündig  
M12 × 1 | 8 mm



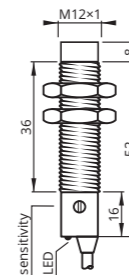
increased  
erhöht



unshielded  
nicht bündig  
M12 × 1 | 8 mm



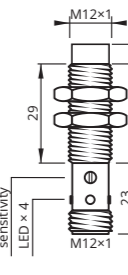
increased  
erhöht



unshielded  
nicht bündig  
M12 × 1 | 8 mm



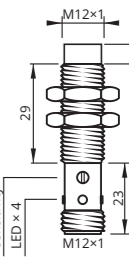
increased  
erhöht



unshielded  
nicht bündig  
M12 × 1 | 8 mm



increased  
erhöht



Sensing distance $S_n$	Schaltabstand $S_n$	6 mm	6 mm	6 mm	6 mm	8 mm	8 mm	8 mm	8 mm
Operating voltage	Betriebsspannung	10...30 V <sub>DC</sub>	10...30 V <sub>DC</sub>	10...30 V <sub>DC</sub>	10...30 V <sub>DC</sub>	10...30 V <sub>DC</sub>	10...30 V <sub>DC</sub>	10...30 V <sub>DC</sub>	10...30 V <sub>DC</sub>
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	<9 mA	<9 mA	<9 mA	<9 mA	<9 mA	<9 mA	<9 mA	<9 mA
Current load capability	Ausgangsbelaubarkeit	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	<2 V @ 200 mA	<2 V @ 200 mA	<2 V @ 200 mA	<2 V @ 200 mA	<2 V @ 200 mA	<2 V @ 200 mA	<2 V @ 200 mA	<2 V @ 200 mA
Switching frequency	Schaltfrequenz	100 Hz	100 Hz	100 Hz	100 Hz	100 Hz	100 Hz	100 Hz	100 Hz
Adjustment	Einstellung	multiturn pot Mehrgangpoti	multiturn pot Mehrgangpoti	multiturn pot Mehrgangpoti	multiturn pot Mehrgangpoti	multiturn pot Mehrgangpoti	multiturn pot Mehrgangpoti	multiturn pot Mehrgangpoti	multiturn pot Mehrgangpoti
Operating temperature	Betriebstemperatur	-25...+70 °C	-25...+70 °C	-25...+70 °C	-25...+70 °C	-25...+70 °C	-25...+70 °C	-25...+70 °C	-25...+70 °C
Protection class	Schutzklasse	IP 67	IP 67	IP 67	IP 67	IP 67	IP 67	IP 67	IP 67
Sensing face material	Sensorflächenwerkstoff	POM	POM	POM	POM	POM	POM	POM	POM
Housing material	Gehäusewerkstoff	brass Messing	PBT	brass Messing	PBT	brass Messing	PBT	brass Messing	PBT
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	PVC, ultra-flex	conn. M12 M12-Stecker	conn. M12 M12-Stecker	PVC, ultra-flex	PVC, ultra-flex	conn. M12 M12-Stecker	conn. M12 M12-Stecker
Article code PNP, NO	—	CS12-S6PO60-A2P	CS12-S6PO60-A2P	CS12-S6PO60-A12	CS12-S6PO60-A12	CS12-N8PO60-A2P	CS12-N8PO60-A2P	CS12-N8PO60-A12	CS12-N8PO60-A12
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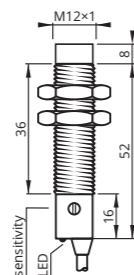
Capacitive Proximity Switch  
**3-Wire DC**

Kapazitive Näherungsschalter  
**3-Leiter DC**

unshielded  
nicht bündig  
**M12 × 1 | 10 mm**



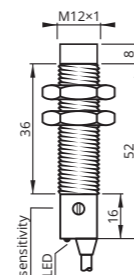
extended  
erweitert



unshielded  
nicht bündig  
**M12 × 1 | 10 mm**



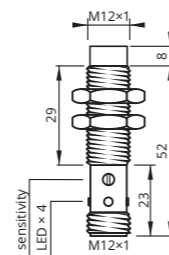
extended  
erweitert



unshielded  
nicht bündig  
**M12 × 1 | 10 mm**



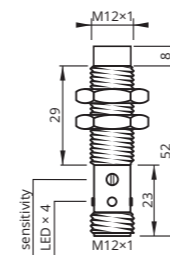
extended  
erweitert



unshielded  
nicht bündig  
**M12 × 1 | 10 mm**



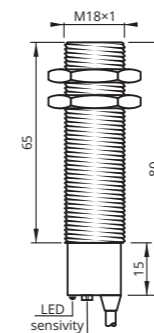
extended  
erweitert



shielded  
bündig  
**M18 × 1 | 8 mm**



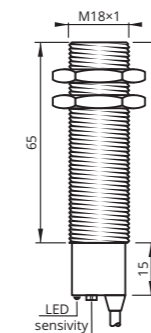
increased  
erhöht



shielded  
bündig  
**M18 × 1 | 8 mm**



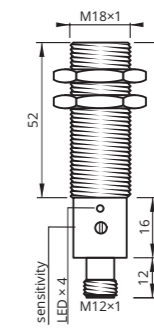
increased  
erhöht



shielded  
bündig  
**M18 × 1 | 8 mm**



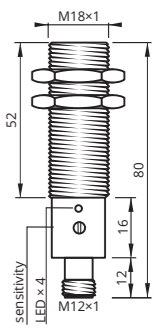
increased  
erhöht



shielded  
bündig  
**M18 × 1 | 8 mm**



increased  
erhöht



Sensing distance $S_n$	Schaltabstand $S_n$	10 mm	10 mm	10 mm	10 mm	8 mm	8 mm	8 mm	8 mm
Operating voltage	Betriebsspannung	10...30 V <sub>DC</sub>	10...30 V <sub>DC</sub>	10...30 V <sub>DC</sub>	10...30 V <sub>DC</sub>	10...30 V <sub>DC</sub>	10...30 V <sub>DC</sub>	10...30 V <sub>DC</sub>	10...30 V <sub>DC</sub>
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	<9 mA	<9 mA	<9 mA	<9 mA	<9 mA	<9 mA	<9 mA	<9 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	<2 V @ 200 mA	<2 V @ 200 mA	<2 V @ 200 mA	<2 V @ 200 mA	<2 V @ 200 mA	<2 V @ 200 mA	<2 V @ 200 mA	<2 V @ 200 mA
Switching frequency	Schaltfrequenz	100 Hz	100 Hz	100 Hz	100 Hz	100 Hz	100 Hz	100 Hz	100 Hz
Adjustment	Einstellung	multiturn pot Mehrgangpoti	multiturn pot Mehrgangpoti	multiturn pot Mehrgangpoti	multiturn pot Mehrgangpoti	multiturn pot Mehrgangpoti	multiturn pot Mehrgangpoti	multiturn pot Mehrgangpoti	multiturn pot Mehrgangpoti
Operating temperature	Betriebstemperatur	-25...+70 °C	-25...+70 °C	-25...+70 °C	-25...+70 °C	-25...+70 °C	-25...+70 °C	-25...+70 °C	-25...+70 °C
Protection class	Schutzklasse	IP 67	IP 67	IP 67	IP 67	IP 67	IP 67	IP 67	IP 67
Sensing face material	Sensorflächenwerkstoff	POM	POM	POM	POM	POM	POM	POM	POM
Housing material	Gehäusewerkstoff	brass Messing	PBT	brass Messing	PBT	brass Messing	PBT	brass Messing	PBT
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	PVC, ultra-flex	conn. M12 M12-Stecker	conn. M12 M12-Stecker	PVC, ultra-flex	PVC, ultra-flex	conn. M12 M12-Stecker	conn. M12 M12-Stecker
Article code PNP, NO	—	CS12-N10PO60-A2P	CS12-N10PO60-A2P	CS12-N10PO60-A12	CS12-N10PO60-A12	CS18-S8PO80-A2P	CS18-S8PO80-A2P	CS18-S8PO80-A12	CS18-S8PO80-A12
Article code PNP, NC	—	CS12-N10PC60-A2P	CS12-N10PC60-A2P	CS12-N10PC60-A12	CS12-N10PC60-A12	CS18-S8PC80-A2P	CS18-S8PC80-A2P	CS18-S8PC80-A12	CS18-S8PC80-A12
Article code NPN, NO	—	CS12-N10NO60-A2P	CS12-N10NO60-A2P	CS12-N10NO60-A12	CS12-N10NO60-A12	CS18-S8NO80-A2P	CS18-S8NO80-A2P	CS18-S8NO80-A12	CS18-S8NO80-A12
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