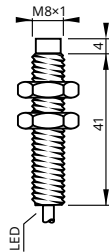


## 3-Wire 3-Leiter

unshielded  
nicht bündig  
M8x1 | 2 mm



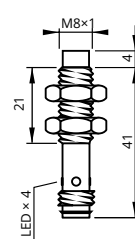
standard



unshielded  
nicht bündig  
M8x1 | 2 mm



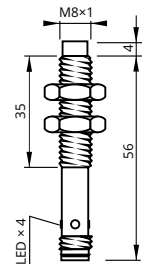
standard



unshielded  
nicht bündig  
M8x1 | 2 mm



standard

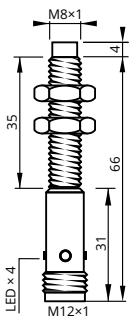


Sensing Distance	Schaltabstand	2 mm	2 mm	2 mm
Housing Size	Gehäusegröße	M8x1	M8x1	M8x1
Operating Voltage	Betriebsspannung	10...30 V <sub>DC</sub>	10...30 V <sub>DC</sub>	10...30 V <sub>DC</sub>
Reverse Polarity Protection	Verpolungsschutz	built-in integriert	built-in integriert	built-in integriert
Current 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
Correction Factor	Korrekturfaktor	Alu 0.45 · Brs 0.50 · VA 0.85	Alu 0.45 · Brs 0.50 · VA 0.85	Alu 0.45 · Brs 0.50 · VA 0.85
Repeatability	Wiederholgenauigkeit	<1 % (S <sub>n</sub> )	<1 % (S <sub>n</sub> )	<1 % (S <sub>n</sub> )
Hysteresis	Hysteresis	3...15 %	3...15 %	3...15 %
Operating Temperature	Betriebstemperatur	-25...+75 °C	-25...+75 °C	-25...+75 °C
Protection Class	Schutzklasse	IP67	IP67	IP67
Sensing Face	Sensorfläche	POM	POM	POM
Housing Material	Gehäusewerkstoff	SS303	SS303	SS303
Connection	Anschluss	PVC, ultra-flex	conn. M8 Stecker M8	conn. M8 Stecker M8
Switching Indicator	Schaltanzeige	built-in integriert	built-in integriert	built-in integriert
Article Code PNP, NO		INS8N2PO45-A2P	INS8N2PO45-M8	INS8N2PO60-M8
Article Code PNP, NC		INS8N2PC45-A2P	INS8N2PC45-M8	INS8N2PC60-M8
Article Code PNP, NO+NC				
Article Code NPN, NO		INS8N2NO45-A2P	INS8N2NO45-M8	INS8N2NO60-M8
Article Code NPN, NC		INS8N2NC45-A2P	INS8N2NC45-M8	INS8N2NC60-M8
Article Code NPN, NO+NC				

unshielded  
nicht bündig  
M8×1 | 2 mm



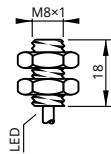
standard



shielded  
bündig  
M8×1 | 2 mm



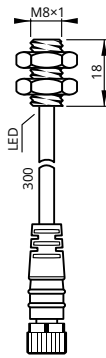
increased  
erhöht



shielded  
bündig  
M8×1 | 2 mm



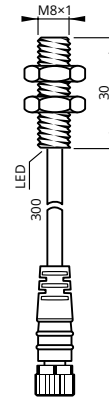
increased  
erhöht



shielded  
bündig  
M8×1 | 2 mm



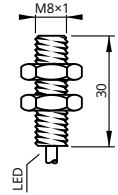
increased  
erhöht



shielded  
bündig  
M8×1 | 2 mm



increased  
erhöht



2 mm	2 mm	2 mm	2 mm	2 mm
M8×1	M8×1	M8×1	M8×1	M8×1
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>
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 · VA 0.85	Alu 0.45 · Brs 0.50 · VA 0.85	Alu 0.45 · Brs 0.50 · VA 0.85	Alu 0.45 · Brs 0.50 · VA 0.85	Alu 0.45 · Brs 0.50 · VA 0.85
<1 % (S <sub>n</sub> )	<1 % (S <sub>n</sub> )	<1 % (S <sub>n</sub> )	<1 % (S <sub>n</sub> )	<1 % (S <sub>n</sub> )
3...15 %	3...15 %	3...15 %	3...15 %	3...15 %
-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
SS303	SS303	SS303	SS303	SS303
conn. M12 Stecker M12	PVC, ultra-flex	PUR, 300 mm, M8	PUR, 300 mm, M8	PVC, ultra-flex
built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert
INS8N2PO70-M12	INS8S2PO18-A2P	INS8S2PO18-3U8	INS8S2PO30-3U8	INS8S2PO30-A2P
INS8N2PC70-M12	INS8S2PC18-A2P	INS8S2PC18-3U8	INS8S2PC30-3U8	INS8S2PC30-A2P
INS8N2NO70-M12	INS8S2NO18-A2P	INS8S2NO18-3U8	INS8S2NO30-3U8	INS8S2NO30-A2P
INS8N2NC70-M12	INS8S2NC18-A2P	INS8S2NC18-3U8	INS8S2NC30-3U8	INS8S2NC30-A2P

Minor changes possible  
Geringfügige Änderungen möglich