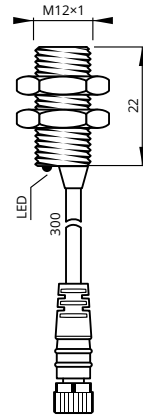


**3-Wire**  
**3-Leiter**

semi-shielded  
quasi-bündig  
M12x1 | 8 mm



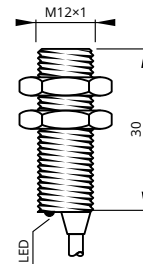
advanced  
hochentwickelt



semi-shielded  
quasi-bündig  
M12x1 | 8 mm



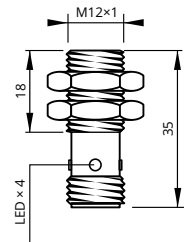
advanced  
hochentwickelt



semi-shielded  
quasi-bündig  
M12x1 | 8 mm



advanced  
hochentwickelt

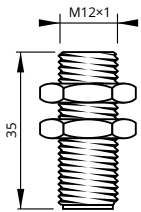


Sensing Distance	Schaltabstand	8 mm	8 mm	8 mm
Housing Size	Gehäusegröße	M12x1	M12x1	M12x1
Operating Voltage	Betriebsspannung	10...30 V <sub>DC</sub>	10...30 V <sub>DC</sub>	10...30 V <sub>DC</sub>
Reverse Polarity Protection	Verpolungsschutz	built-in integriert	built-in integriert	built-in integriert
Current Consumption	Stromverbrauch	<8 mA	<8 mA	<8 mA
Current Load Capability	Ausgangsbelaastbarkeit	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	800 Hz	800 Hz	800 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	Hysterese	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	brass	brass	brass
Connection	Anschluss	PVC, 300 mm, M12	PVC, ultra-flex	conn. M12 Stecker M12
Switching Indicator	Schaltanzeige	built-in integriert	built-in integriert	built-in integriert
Article Code PNP, NO		INS12S8PO22-3P12	INS12S8PO30-A2P	INS12S8PO35-M12
Article Code PNP, NC		INS12S8PC22-3P12	INS12S8PC30-A2P	INS12S8PC35-M12
Article Code PNP, NO+NC				
Article Code NPN, NO		INS12S8NO22-3P12	INS12S8NO30-A2P	INS12S8NO35-M12
Article Code NPN, NC		INS12S8NC22-3P12	INS12S8NC30-A2P	INS12S8NC35-M12
Article Code NPN, NO+NC				

semi-shielded  
quasi-bündig  
**M12×1 | 8 mm**



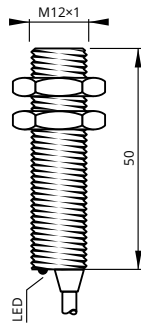
advanced  
hochentwickelt



semi-shielded  
quasi-bündig  
**M12×1 | 8 mm**



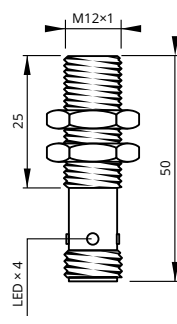
advanced  
hochentwickelt



semi-shielded  
quasi-bündig  
**M12×1 | 8 mm**



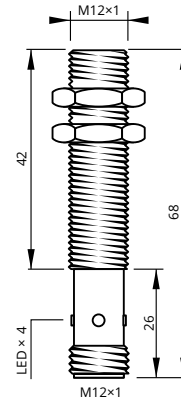
advanced  
hochentwickelt



semi-shielded  
quasi-bündig  
**M12×1 | 8 mm**



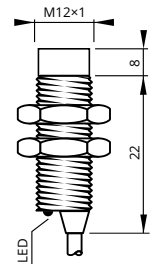
advanced  
hochentwickelt



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



extended  
erweitert



8 mm	8 mm	8 mm	8 mm	10 mm
M12×1	M12×1	M12×1	M12×1	M12×1
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
800 Hz	800 Hz	800 Hz	800 Hz	400 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
brass	brass	brass	brass	brass
conn. M12 Stecker M12	PVC, ultra-flex built-in integriert	conn. M12 Stecker M12 built-in integriert	conn. M12 Stecker M12 built-in integriert	PVC, ultra-flex built-in integriert
INS12S8PO35-N12	INS12S8PO50-A2P	INS12S8PO50-M12	INS12S8PO68-M12	INS12N10PO30-A2P
INS12S8PC35-N12	INS12S8PC50-A2P	INS12S8PC50-M12	INS12S8PC68-M12	INS12N10PC30-A2P
INS12S8NO35-N12	INS12S8NO50-A2P	INS12S8NO50-M12	INS12S8NO68-M12	INS12N10NO30-A2P
INS12S8NC35-N12	INS12S8NC50-A2P	INS12S8NC50-M12	INS12S8NC68-M12	INS12N10NC30-A2P

Minor changes possible  
Geringfügige Änderungen möglich