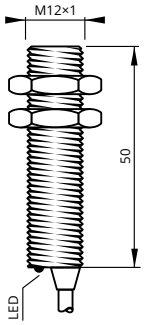
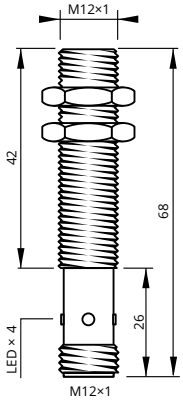
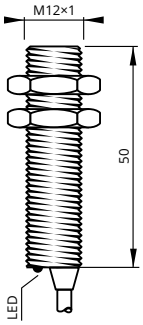
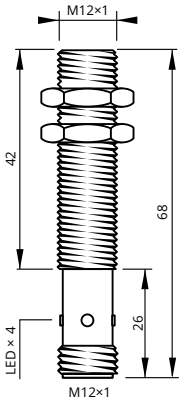
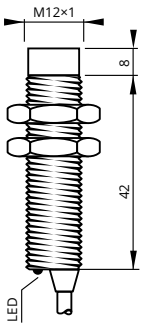
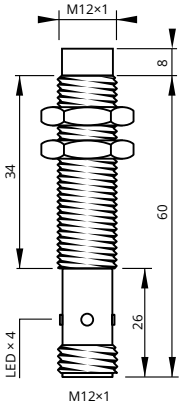
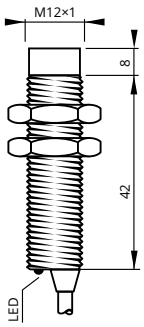
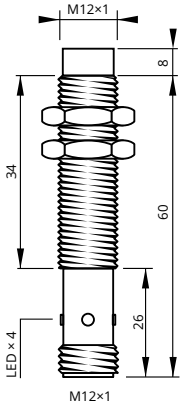
2-Wire DC
2-Leiter DC

shielded bündig **M12×1 | 2 mm**	shielded bündig **M12×1 | 2 mm**	shielded bündig **M12×1 | 4 mm**
		
standard	standard	increased erhöht
		

Sensing Distance	Schaltabstand	2 mm		2 mm		4 mm	
Housing Size	Gehäusegröße	M12×1		M12×1		M12×1	
Operating Voltage	Betriebsspannung	10…55 V_{DC}		10…55 V_{DC}		10…55 V_{DC}	
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	Kurzschlussschutz	built-in	integriert	built-in	integriert	built-in	integriert
Load Resistor	Lastwiderstand	<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA	
Output Following Frequency	Ausgangsfolgefrequenz	2000 Hz		2000 Hz		1000 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	
Repeatibility	Wiederholgenauigkeit	<1 % (S_n)		<1 % (S_n)		<1 % (S_n)	
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	Messing	brass	Messing	brass	Messing
Connection	Anschluss	PVC, ultra-flex		conn. M12	Stecker M12	PVC, ultra-flex	
Switching Indicator	Schaltanzeige	built-in	integriert	built-in	integriert	built-in	integriert
Article Code PNP, NO	⎍	INS12S2DO50-A2P		INS12S2DO68-M12		INS12S4DO50-A2P	
Article Code PNP, NC	⎍	INS12S2DC50-A2P		INS12S2DC68-M12		INS12S4DC50-A2P	

shielded bündig **M12×1 | 4 mm**	unshielded nicht bündig **M12×1 | 4 mm**	unshielded nicht bündig **M12×1 | 4 mm**	shielded bündig **M12×1 | 8 mm**	unshielded nicht bündig **M12×1 | 8 mm**
				
increased erhöht	standard	standard	increased erhöht	increased erhöht
				
4 mm	4 mm	4 mm	8 mm	8 mm
M12×1	M12×1	M12×1	M12×1	M12×1
10…55 V_{DC}	10…55 V_{DC}	10…55 V_{DC}	10…55 V_{DC}	10…55 V_{DC}
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
1000 Hz	1000 Hz	1000 Hz	1000 Hz	500 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_n)	<1 % (S_n)	<1 % (S_n)	<1 % (S_n)	<1 % (S_n)
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 Messing	brass Messing	brass Messing	brass Messing	brass Messing
conn. M12 Stecker M12	PVC, ultra-flex	conn. M12 Stecker M12	PVC, ultra-flex	conn. M12 Stecker M12
built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert
INS12S4DO68-M12	INS12N4DO50-A2P	INS12N4DO68-M12	INS12N8DO50-A2P	INS12N8DO68-M12
INS12S4DC68-M12	INS12N4DC50-A2P	INS12N4DC68-M12	INS12N8DC50-A2P	INS12N8DC68-M12

Minor changes possible
Geringfügige Änderungen möglich