

3-Wire 3-Leiter

shielded
bündig
M12x1 | 2 mm



standard

shielded
bündig
M12x1 | 2 mm

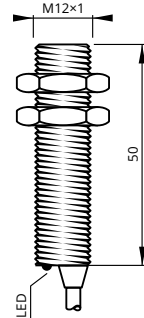
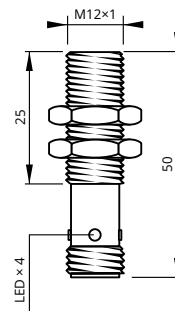
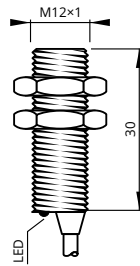


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M12x1 | 2 mm



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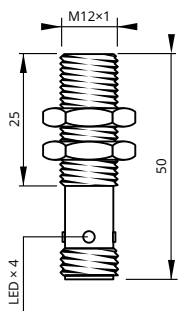


Sensing Distance	Schaltabstand	2 mm	2 mm	2 mm
Housing Size	Gehäusegröße	M12x1	M12x1	M12x1
Operating Voltage	Betriebsspannung	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}
Reverse Polarity Protection	Verpolungsschutz	built-in integriert	built-in integriert	built-in integriert
Current Consumption	Stromverbrauch	<8 mA	<8 mA	<8 mA
Current Load Capability	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	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 _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	brass	brass
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		INS12S2PO30-A2P	INS12S2PO35-M12	INS12S2PO50-A2P
Article Code PNP, NC		INS12S2PC30-A2P	INS12S2PC35-M12	INS12S2PC50-A2P
Article Code PNP, NO+NC				
Article Code NPN, NO		INS12S2NO30-A2P	INS12S2NO35-M12	INS12S2NO50-A2P
Article Code NPN, NC		INS12S2NC30-A2P	INS12S2NC35-M12	INS12S2NC50-A2P
Article Code NPN, NO+NC				

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M12×1 | 2 mm



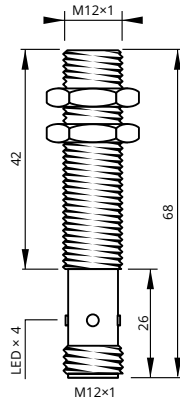
standard



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bündig
M12×1 | 2 mm



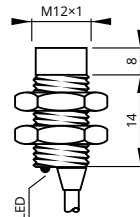
standard



unshielded
nicht bündig
M12×1 | 4 mm



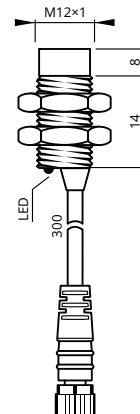
standard



unshielded
nicht bündig
M12×1 | 4 mm



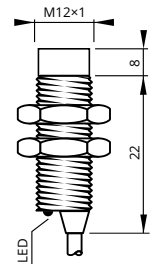
standard



unshielded
nicht bündig
M12×1 | 4 mm



standard



2 mm	2 mm	4 mm	4 mm	4 mm
M12×1	M12×1	M12×1	M12×1	M12×1
10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}	10...30 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
2000 Hz	2000 Hz	1000 Hz	1000 Hz	1000 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	brass	brass	brass	brass
conn. M12 Stecker M12	conn. M12 Stecker M12	PVC, ultra-flex	PVC, 300 mm, M12	PVC, ultra-flex
built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert
INS12S2PO50-M12	INS12S2PO68-M12	INS12N4PO22-A2P	INS12N4PO22-3P12	INS12N4PO30-A2P
INS12S2PC50-M12	INS12S2PC68-M12	INS12N4PC22-A2P	INS12N4PC22-3P12	INS12N4PC30-A2P
INS12S2NO50-M12	INS12S2NO68-M12	INS12N4NO22-A2P	INS12N4NO22-3P12	INS12N4NO30-A2P
INS12S2NC50-M12	INS12S2NC68-M12	INS12N4NC22-A2P	INS12N4NC22-3P12	INS12N4NC30-A2P

Minor changes possible
Geringfügige Änderungen möglich