

3-Wire 3-Leiter

unshielded
nicht bündig
M12×1 | 10 mm



extended
erweitert

unshielded
nicht bündig
M12×1 | 10 mm

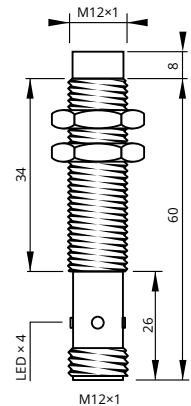
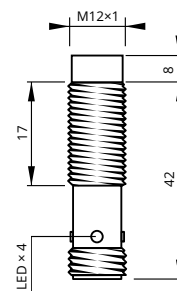
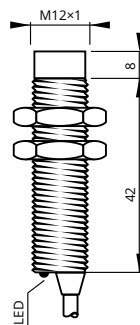


extended
erweitert

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M12×1 | 10 mm



extended
erweitert

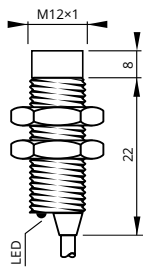


Sensing Distance	Schaltabstand	10 mm	10 mm	10 mm
Housing Size	Gehäusegröße	M12×1	M12×1	M12×1
Operating Voltage	Betriebsspannung	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}
Reverse Polarity Protection	Verpolungsschutz	built-in integriert	built-in integriert	built-in integriert
Current Consumption	Stromverbrauch	<8 mA	<8 mA	<8 mA
Current Load Capability	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	400 Hz	400 Hz	400 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	conn. M12 Stecker M12
Switching Indicator	Schaltanzeige	built-in integriert	built-in integriert	built-in integriert
Article Code PNP, NO		INS12N10PO50-A2P	INS12N10PO50-M12	INS12N10PO68-M12
Article Code PNP, NC		INS12N10PC50-A2P	INS12N10PC50-M12	INS12N10PC68-M12
Article Code PNP, NO+NC				
Article Code NPN, NO		INS12N10NO50-A2P	INS12N10NO50-M12	INS12N10NO68-M12
Article Code NPN, NC		INS12N10NC50-A2P	INS12N10NC50-M12	INS12N10NC68-M12
Article Code NPN, NO+NC				

unshielded
nicht bündig
M12×1 | 12 mm



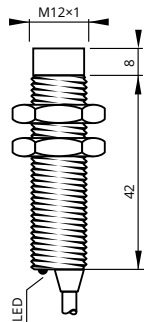
advanced
hochentwickelt



unshielded
nicht bündig
M12×1 | 12 mm



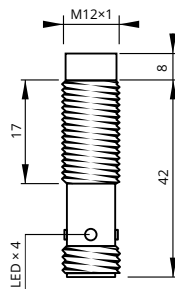
advanced
hochentwickelt



unshielded
nicht bündig
M12×1 | 12 mm



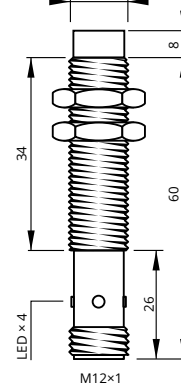
advanced
hochentwickelt



unshielded
nicht bündig
M12×1 | 12 mm



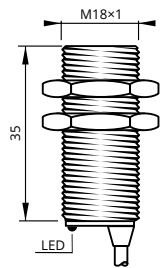
advanced
hochentwickelt



shielded
bündig
M18×1 | 5 mm



standard



12 mm	12 mm	12 mm	12 mm	5 mm
M12×1	M12×1	M12×1	M12×1	M18×1
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
400 Hz	400 Hz	400 Hz	400 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
PVC, ultra-flex	PVC, ultra-flex	conn. M12 Stecker M12	conn. M12 Stecker M12	PVC, ultra-flex
built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert
INS12N12PO30-A2P	INS12N12PO50-A2P	INS12N12PO50-M12	INS12N12PO68-M12	INS18S5PO35-A2P
INS12N12PC30-A2P	INS12N12PC50-A2P	INS12N12PC50-M12	INS12N12PC68-M12	INS18S5PC35-A2P
INS12N12NO30-A2P	INS12N12NO50-A2P	INS12N12NO50-M12	INS12N12NO68-M12	INS18S5NO35-A2P
INS12N12NC30-A2P	INS12N12NC50-A2P	INS12N12NC50-M12	INS12N12NC68-M12	INS18S5NC35-A2P

Minor changes possible
Geringfügige Änderungen möglich