

2-Wire AC
2-Leiter AC

shielded
bündig
M12x1 | 2 mm



standard

shielded
bündig
M12x1 | 2 mm

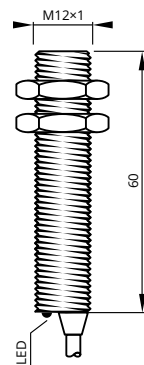
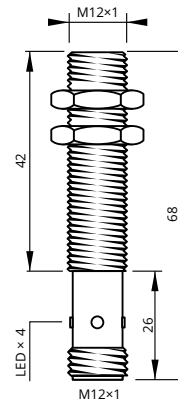
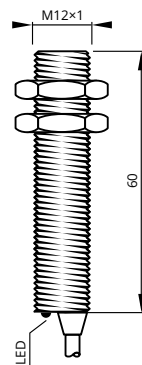


standard

shielded
bündig
M12x1 | 4 mm



increased
erhöht

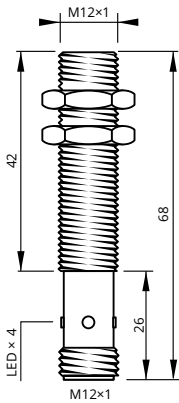


Sensing Distance	Schaltabstand	2 mm	2 mm	4 mm
Housing Size	Gehäusegröße	M12x1	M12x1	M12x1
Operating Voltage	Betriebsspannung	20...250 V _{AC}	20...250 V _{AC}	20...250 V _{AC}
Reverse Polarity Protection	Verpolungsschutz	not required nicht erforderl.	not required nicht erforderl.	not required nicht erforderl.
Current Consumption	Stromverbrauch	<3 mA	<3 mA	<3 mA
Current Load Capability	Ausgangsbelaastbarkeit	400 mA	400 mA	400 mA
Voltage Drop	Spannungsabfall	<8 V @ 400 mA	<8 V @ 400 mA	<8 V @ 400 mA
Switching Frequency	Schaltfrequenz	25 Hz	25 Hz	25 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 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 NO	—/—	INS12S2AO60-A2P	INS12S2AO68-M12	INS12S4AO60-A2P
Article Code NC	—/—	INS12S2AC60-A2P	INS12S2AC68-M12	INS12S4AC60-A2P

shielded
bündig
M12×1 | 4 mm



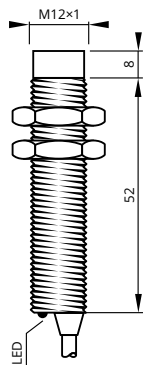
increased
erhöht



unshielded
nicht bündig
M12×1 | 4 mm



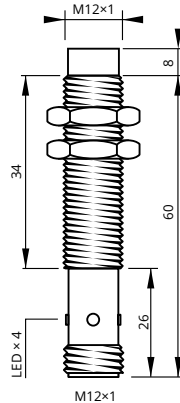
standard



unshielded
nicht bündig
M12×1 | 4 mm



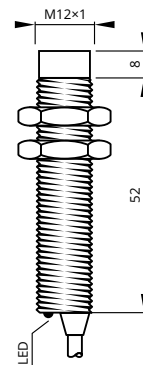
standard



unshielded
nicht bündig
M12×1 | 8 mm



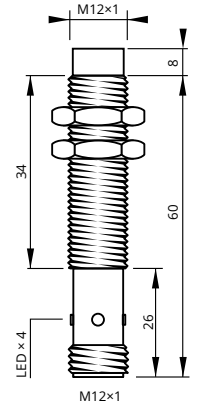
increased
erhöht



unshielded
nicht bündig
M12×1 | 8 mm



increased
erhöht



4 mm	4 mm	4 mm	8 mm	8 mm
M12×1	M12×1	M12×1	M12×1	M12×1
20...250 V _{AC}	20...250 V _{AC}	20...250 V _{AC}	20...250 V _{AC}	20...250 V _{AC}
not required nicht erforderl.	not required nicht erforderl.	not required nicht erforderl.	not required nicht erforderl.	not required nicht erforderl.
<3 mA	<3 mA	<3 mA	<3 mA	<3 mA
400 mA	400 mA	400 mA	400 mA	400 mA
<8 V @ 400 mA	<8 V @ 400 mA	<8 V @ 400 mA	<8 V @ 400 mA	<8 V @ 400 mA
25 Hz	25 Hz	25 Hz	25 Hz	25 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
INS12S4AO68-M12	INS12N4AO60-A2P	INS12N4AO68-M12	INS12N8AO60-A2P	INS12N8AO68-M12
INS12S4AC68-M12	INS12N4AC60-A2P	INS12N4AC68-M12	INS12N8AC60-A2P	INS12N8AC68-M12

Minor changes possible
Geringfügige Änderungen möglich