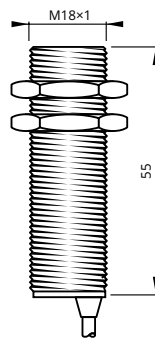


## 3-Wire Analog Output 3-Leiter Analogausgang

shielded  
bündig  
M18×1 | 10 mm



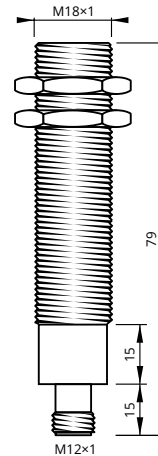
extended  
erweitert



shielded  
bündig  
M18×1 | 10 mm



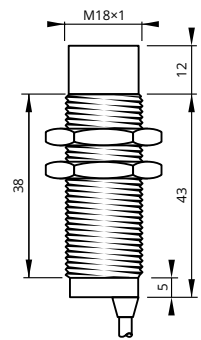
extended  
erweitert



unshielded  
nicht bündig  
M18×1 | 20 mm



extended  
erweitert



Sensing Distance	Schaltabstand	10 mm	10 mm	20 mm
Measuring Distance	Messabstand	3.1...10 mm	3.1...10 mm	7.3...20 mm
Housing Size	Gehäusegröße	M18×1	M18×1	M18×1
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 Load Capability	Ausgangsbelastbarkeit	<25 mA	<25 mA	<25 mA
Load Resistor	Lastwiderstand	U: >2 kΩ, I: 400 Ω	U: >2 kΩ, I: 400 Ω	U: >2 kΩ, I: 400 Ω
Output Characteristics	Ausgangsverhalten	U: 10...0 V, I: 20...0 mA	U: 10...0 V, I: 20...0 mA	U: 10...0 V, I: 20...0 mA
Output Following Frequency	Ausgangsfolgefrequenz	100 Hz	100 Hz	100 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	<5% (S <sub>n</sub> )	<5% (S <sub>n</sub> )	<5% (S <sub>n</sub> )
Operating Temperature	Betriebstemperatur	0...+70 °C	0...+70 °C	0...+70 °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
Article Code Voltage	Spannung	IAV18S10010-N2P	IAV18S10010-N12	IAV18N20010-N2P
Article Code Current	Strom	IAI18S10010-N2P	IAI18S10010-N12	IAI18N20010-N2P

unshielded  
nicht bündig  
**M18×1 | 20 mm**



extended  
erweitert

shielded  
bündig  
**M30×1.5 | 20 mm**



extended  
erweitert

shielded  
bündig  
**M30×1.5 | 20 mm**



extended  
erweitert

unshielded  
nicht bündig  
**M30×1.5 | 40 mm**

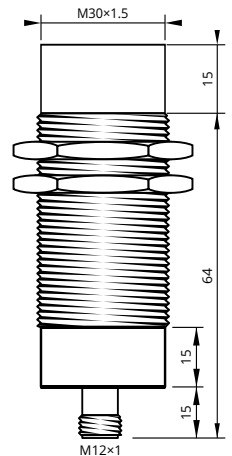
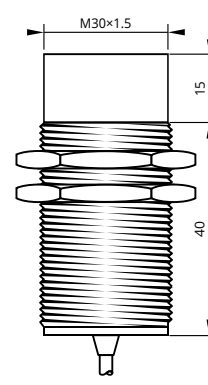
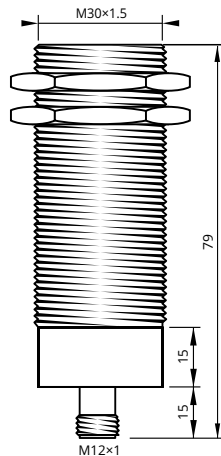
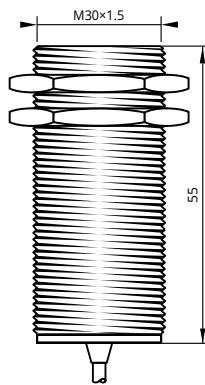
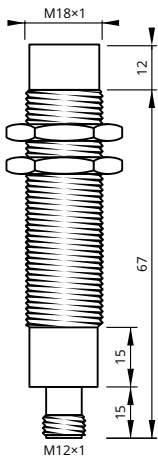


extended  
erweitert

unshielded  
nicht bündig  
**M30×1.5 | 40 mm**



extended  
erweitert



20 mm	20 mm	20 mm	40 mm	40 mm
7.3...20 mm	7.3...20 mm	7.3...20 mm	17.6...40 mm	17.6...40 mm
M18×1	M30×1.5	M30×1.5	M30×1.5	M30×1.5
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
<25 mA	<25 mA	<25 mA	<25 mA	<25 mA
U: >2 kΩ, I: 400 Ω	U: >2 kΩ, I: 400 Ω	U: >2 kΩ, I: 400 Ω	U: >2 kΩ, I: 400 Ω	U: >2 kΩ, I: 400 Ω
U: 10...0 V, I: 20...0 mA	U: 10...0 V, I: 20...0 mA	U: 10...0 V, I: 20...0 mA	U: 10...0 V, I: 20...0 mA	U: 10...0 V, I: 20...0 mA
100 Hz	100 Hz	100 Hz	100 Hz	100 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
<5% (S <sub>n</sub> )	<5% (S <sub>n</sub> )	<5% (S <sub>n</sub> )	<5% (S <sub>n</sub> )	<5% (S <sub>n</sub> )
0...+70 °C	0...+70 °C	0...+70 °C	0...+70 °C	0...+70 °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
IAV18N20010-N12	IAV30S20010-N2P	IAV30S20010-N12	IAV30N40010-N2P	IAV30N40010-N12
IAI18N20010-N12	IAI30S20010-N2P	IAI30S20010-N12	IAI30N40010-N2P	IAI30N40010-N12

Minor changes possible  
Geringfügige Änderungen möglich