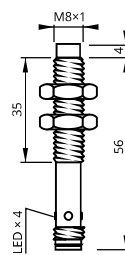


3-Wire Metal Face
3-Leiter Vollmetallhülse

unshielded
nicht bündig
M8×1 | 3.5 mm



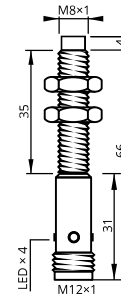
increased
erhöht



unshielded
nicht bündig
M8×1 | 3.5 mm



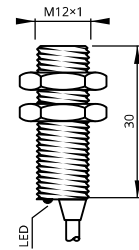
increased
erhöht



shielded
bündig
M12×1 | 4 mm



increased
erhöht

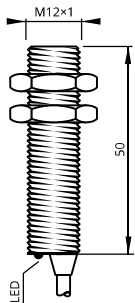


Sensing Distance	Schaltabstand	3.5 mm	3.5 mm	4 mm
Housing Size	Gehäusegröße	M8×1	M8×1	M12×1
Operating Voltage	Betriebsspannung	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}
Reverse Polarity Protection	Verpolungsschutz	built-in integriert	built-in integriert	built-in integriert
Current Consumption	Stromverbrauch	<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	500 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	IP69k, IP67 connector	IP69k, IP67 connector	IP69k, IP67 connector
Sensing Face	Sensorfläche	SS303 Edelstahl	SS303 Edelstahl	SS303 Edelstahl
Housing Material	Gehäusewerkstoff	SS303 Edelstahl	SS303 Edelstahl	SS303 Edelstahl
Connection	Anschluss	conn. M8 Stecker M8	conn. M12 Stecker M12	PVC, ultra-flex
Switching Indicator	Schaltanzeige	built-in integriert	built-in integriert	built-in integriert
Article Code PNP, NO	—/—	IVM8N4PO60-M8	IVM8N4PO70-M12	IVM12S4PO30-A2P
Article Code PNP, NC	—/—	IVM8N4PC60-M8	IVM8N4PC70-M12	IVM12S4PC30-A2P
Article Code NPN, NO	—/—	IVM8N4NO60-M8	IVM8N4NO70-M12	IVM12S4NO30-A2P
Article Code NPN, NC	—/—	IVM8N4NC60-M8	IVM8N4NC70-M12	IVM12S4NC30-A2P

shielded
bündig
M12×1 | 4 mm



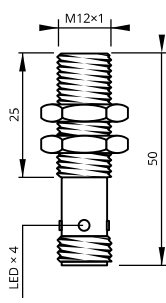
increased
erhöht



shielded
bündig
M12×1 | 4 mm



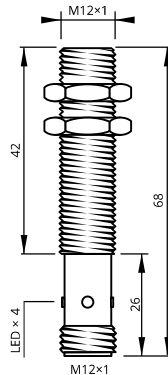
increased
erhöht



shielded
bündig
M12×1 | 4 mm



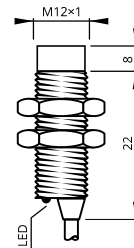
increased
erhöht



unshielded
nicht bündig
M12×1 | 6 mm



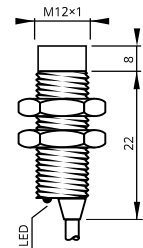
increased
erhöht



unshielded
nicht bündig
M12×1 | 6 mm



increased
erhöht



4 mm	4 mm	4 mm	6 mm	6 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
500 Hz	500 Hz	500 Hz	500 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
IP69k, IP67 connector	IP69k, IP67 connector	IP69k, IP67 connector	IP69k, IP67 connector	IP69k, IP67 connector
SS303 Edelstahl	SS303 Edelstahl	SS303 Edelstahl	SS303 Edelstahl	SS303 Edelstahl
SS303 Edelstahl	SS303 Edelstahl	SS303 Edelstahl	SS303 Edelstahl	SS303 Edelstahl
PVC, ultra-flex	conn. M12 Stecker M12	conn. M12 Stecker M12	PVC, ultra-flex	PVC, ultra-flex
built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert
IVM12S4PO50-A2P	IVM12S4PO50-M12	IVM12S4PO68-M12	IVM12N6PO30-A2P	IVM12N6PO50-A2P
IVM12S4PC50-A2P	IVM12S4PC50-M12	IVM12S4PC68-M12	IVM12N6PC30-A2P	IVM12N6PC50-A2P
IVM12S4NO50-A2P	IVM12S4NO50-M12	IVM12S4NO68-M12	IVM12N6NO30-A2P	IVM12N6NO50-A2P
IVM12S4NC50-A2P	IVM12S4NC50-M12	IVM12S4NC68-M12	IVM12N6NC30-A2P	IVM12N6NC50-A2P

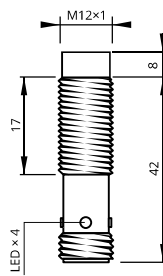
Minor changes possible
Geringfügige Änderungen möglich

3-Wire Metal Face
3-Leiter Vollmetallhülse

unshielded
nicht bündig
M12×1 | 6 mm



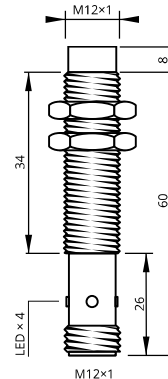
increased
erhöht



unshielded
nicht bündig
M12×1 | 6 mm



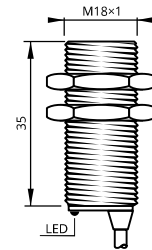
increased
erhöht



shielded
bündig
M18×1 | 8 mm



increased
erhöht

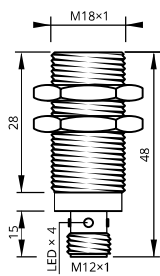


Sensing Distance	Schaltabstand	6 mm	6 mm	8 mm
Housing Size	Gehäusegröße	M12×1	M12×1	M18×1
Operating Voltage	Betriebsspannung	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}
Reverse Polarity Protection	Verpolungsschutz	built-in integriert	built-in integriert	built-in integriert
Current Consumption	Stromverbrauch	<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	500 Hz	500 Hz	150 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	IP69k, IP67 connector	IP69k, IP67 connector	IP69k, IP67 connector
Sensing Face	Sensorfläche	SS303 Edelstahl	SS303 Edelstahl	SS303 Edelstahl
Housing Material	Gehäusewerkstoff	SS303 Edelstahl	SS303 Edelstahl	SS303 Edelstahl
Connection	Anschluss	conn. M12 Stecker M12	conn. M12 Stecker M12	PVC, ultra-flex
Switching Indicator	Schaltanzeige	built-in integriert	built-in integriert	built-in integriert
Article Code PNP, NO	—/—	IVM12N6PO50-M12	IVM12N6PO68-M12	IVM18S8PO35-A2P
Article Code PNP, NC	—/—	IVM12N6PC50-M12	IVM12N6PC68-M12	IVM18S8PC35-A2P
Article Code NPN, NO	—/—	IVM12N6NO50-M12	IVM12N6NO68-M12	IVM18S8NO35-A2P
Article Code NPN, NC	—/—	IVM12N6NC50-M12	IVM12N6NC68-M12	IVM18S8NC35-A2P

shielded
bündig
M18×1 | 8 mm



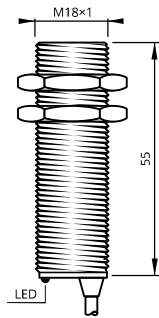
increased
erhöht



shielded
bündig
M18×1 | 8 mm



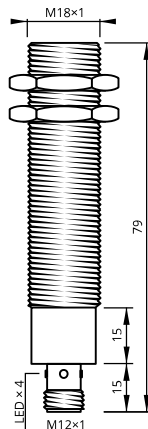
increased
erhöht



shielded
bündig
M18×1 | 8 mm



increased
erhöht



8 mm	8 mm	8 mm
M18×1	M18×1	M18×1
10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}
built-in integriert	built-in integriert	built-in integriert
<8 mA	<8 mA	<8 mA
200 mA	200 mA	200 mA
built-in integriert	built-in integriert	built-in integriert
<1.5 V @ 200 mA	<1.5 V @ 200 mA	<1.5 V @ 200 mA
150 Hz	150 Hz	150 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
<1 % (S _n)	<1 % (S _n)	<1 % (S _n)
3...15 %	3...15 %	3...15 %
-25...+75 °C	-25...+75 °C	-25...+75 °C
IP69k, IP67 connector	IP69k, IP67 connector	IP69k, IP67 connector
SS303 Edelstahl	SS303 Edelstahl	SS303 Edelstahl
SS303 Edelstahl	SS303 Edelstahl	SS303 Edelstahl
conn. M12 Stecker M12	PVC, ultra-flex	conn. M12 Stecker M12
built-in integriert	built-in integriert	built-in integriert
IVM18S8PO48-M12	IVM18S8PO55-A2P	IVM18S8PO79-M12
IVM18S8PC48-M12	IVM18S8PC55-A2P	IVM18S8PC79-M12
IVM18S8NO48-M12	IVM18S8NO55-A2P	IVM18S8NO79-M12
IVM18S8NC48-M12	IVM18S8NC55-A2P	IVM18S8NC79-M12