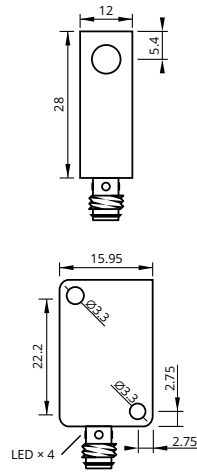


3-Wire 3-Leiter

unshielded
nicht bündig
16×28×12 | 4 mm



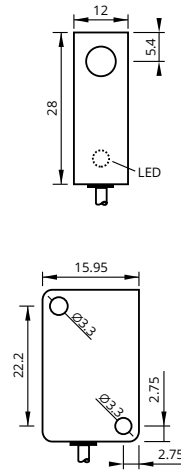
increased
erhöht



unshielded
nicht bündig
16×28×12 | 6 mm



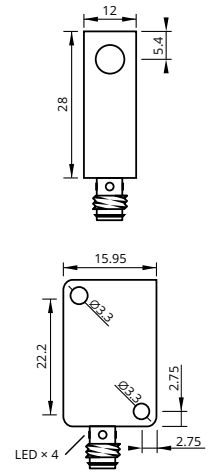
extended
erweitert



unshielded
nicht bündig
16×28×12 | 6 mm



extended
erweitert



Sensing Distance	Schaltabstand	4 mm	6 mm	6 mm
Housing Size	Gehäusegröße	16×28×12	16×28×12	16×28×12
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	PBT	PBT	PBT
Housing Material	Gehäusewerkstoff	PBT	PBT	PBT
Connection	Anschluss	conn. M8 Stecker M8	PVC, ultra-flex	conn. M8 Stecker M8
Switching Indicator	Schaltanzeige	built-in integriert	built-in integriert	built-in integriert
Article Code PNP, NO	— —	INS1628N4POS-M8	INS1628N6POS-A2P	INS1628N6POS-M8
Article Code PNP, NC	— /	INS1628N4PCS-M8	INS1628N6PCS-A2P	INS1628N6PCS-M8
Article Code PNP, NO+NC	— — + — /			
Article Code NPN, NO	— —	INS1628N4NOS-M8	INS1628N6NOS-A2P	INS1628N6NOS-M8
Article Code NPN, NC	— /	INS1628N4NCS-M8	INS1628N6NCS-A2P	INS1628N6NCS-M8
Article Code NPN, NO+NC	— — + — /			

shielded
bündig
40x40 mm | 15 mm



standard

shielded
bündig
40x40 mm | 20 mm



increased
erhöht

semi-shielded
quasi-bündig
40x40 mm | 25 mm



increased
erhöht

unshielded
nicht bündig
40x40 mm | 30 mm

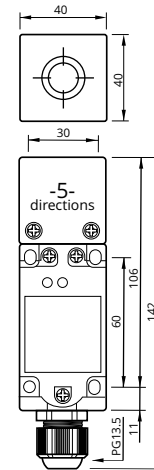
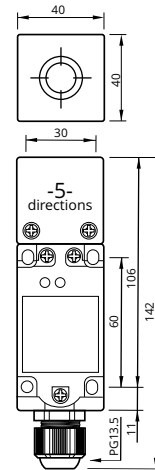
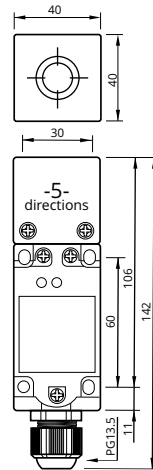
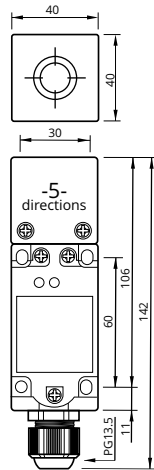
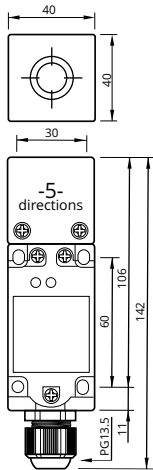


increased
erhöht

unshielded
nicht bündig
40x40 mm | 40 mm



extended
erweitert



15 mm	20 mm	25 mm	30 mm	40 mm
40x40 mm	40x40 mm	40x40 mm	40x40 mm	40x40 mm
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
< 11 mA	< 11 mA	< 11 mA	< 11 mA	< 11 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
< 2 V @ 200 mA	< 2 V @ 200 mA	< 2 V @ 200 mA	< 2 V @ 200 mA	< 2 V @ 200 mA
120 Hz	120 Hz	120 Hz	120 Hz	120 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
PBT	PBT	PBT	PBT	PBT
PBT	PBT	PBT	PBT	PBT
terminal Klemme	terminal Klemme	terminal Klemme	terminal Klemme	terminal Klemme
built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert

INS40S15PCOL-PG13 INS40S20PCOL-PG13 INS40S25PCOL-PG13 INS40N30PCOL-PG13 INS40N40PCOL-PG13

INS40S15NCOL-PG13 INS40S20NCOL-PG13 INS40S25NCOL-PG13 INS40N30NCOL-PG13 INS40N40NCOL-PG13

Minor changes possible
Geringfügige Änderungen möglich