



Inductive Sensors 3-Wire DC High Temperature Resistant

XECRO Inductive High Temperature Series sensors have been designed to operate permanently at temperatures from -20 °C and $+180\text{ °C}$ ($-3\text{ °F...}+356\text{ °F}$). The signal processor of the High Temperature Series sensors fits the same housing dimensions as other sensor series from XECRO. This enables a high level of mounting standardization when your existing sensor needs to be replaced by a more heatproof XECRO sensor.

XECRO High Temperature Series sensors are available in sizes from M8 to M30 and are equipped with silicone or PTFE cables. Silicone cables have an impressive flexibility which makes them a perfect choice for movable installations. Conversely, PTFE has an excellent sturdiness, but should be used only in fixed installations.

Induktive Hochtemperatursensoren von XECRO wurden für den dauerhaften Betrieb bei Temperaturen zwischen $-20...+180\text{ °C}$ ($-3...+356\text{ °F}$) entwickelt. Die Schaltungen der Hochtemperatursensoren passen in die gleichen Gehäuseabmessungen der anderen Baureihen von XECRO. Diese Vereinheitlichung vereinfacht den Austausch, wenn ein Sensor durch einen hitzefesteren von XECRO ersetzt werden muss.

Hochtemperatursensoren von XECRO sind in den Baugrößen M8 bis M30 erhältlich und sind wahlweise mit Silikon- oder PTFE-Anschlussleitungen ausgestattet. Silikonleitungen sind beeindruckend flexibel, was sie für bewegliche Installationen prädestiniert. Im Gegensatz dazu hat PTFE eine ausgezeichnete Widerstandsfähigkeit, sollte aber nur fest installiert werden.

Inductive Proximity Switch
3-Wire DC
High Temperature Resistant

Induktive Näherungsschalter
3-Leiter DC Hitzebeständig

flush
bündig
Ø 6.5 | 2 mm



flush
bündig
Ø 6.5 | 2 mm



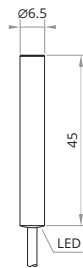
flush
bündig
Ø 6.5 | 2 mm



120 °C · 249 °F

120 °C · 249 °F

120 °C · 249 °F



Sensing distance S_n	Schaltabstand S_n	2 mm		2 mm		2 mm	
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	120 mA		120 mA		120 mA	
Short circuit protection	Kurzschlusschutz	built-in	integriert	built-in	integriert	built-in	integriert
Voltage drop	Spannungsabfall	<2V @ 120 mA		<2V @ 120 mA		<2V @ 120 mA	
Switching frequency	Schaltfrequenz	800 Hz		800 Hz		800 Hz	
Reduction factors	Reduktionsfaktoren	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	
Operating temperature	Betriebstemperatur	-20...+120 °C		-20...+120 °C		-20...+120 °C	
Protection class	Schutzklasse	IP67		IP67		IP67	
Sensing face material	Sensorflächenwerkstoff	PTFE		PTFE		PTFE	
Housing material	Gehäusewerkstoff	SS 1.4301	V2A	SS 1.4301	V2A	SS 1.4301	V2A
Switching indicator	Schaltanzeige	built-in*	integriert*	built-in*	integriert*	none	
Connection	Anschluss	silicone	Silikon	PTFE		silicone	Silikon
Article code PNP, NO	↘	IHTD6-S2APO45-A2S		IHTD6-S2APO45-A2T		IHTD6-S2APO45-N2S	
Article code PNP, NC	↗	IHTD6-S2APC45-A2S		IHTD6-S2APC45-A2T		IHTD6-S2APC45-N2S	
Article code NPN, NO	↘	IHTD6-S2ANO45-A2S		IHTD6-S2ANO45-A2T		IHTD6-S2ANO45-N2S	
Article code NPN, NC	↗	IHTD6-S2ANC45-A2S		IHTD6-S2ANC45-A2T		IHTD6-S2ANC45-N2S	

Mind O≠0, I≠I≠1, S≠5, B≠8.

O≠0, I≠I≠1, S≠5, B≠8 beachten.

* Only for adjustment. LED can fail when operating at more than 120 °C (248 °F). The LED has no warranty.

* Nur zur Einstellung. Die LED kann bei Betrieb über 120 °C ausfallen. Die LED hat keine Garantie.

flush
bündig
Ø 6.5 | 2 mm



non-flush
nicht bündig
Ø 6.5 | 4 mm



non-flush
nicht bündig
Ø 6.5 | 4 mm



non-flush
nicht bündig
Ø 6.5 | 4 mm



non-flush
nicht bündig
Ø 6.5 | 4 mm



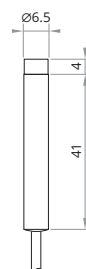
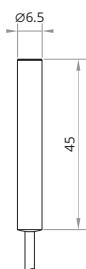
120 °C · 249 °F

120 °C · 249 °F

120 °C · 249 °F

120 °C · 249 °F

120 °C · 249 °F



2 mm		4 mm		4 mm		4 mm		4 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
<8 mA		<8 mA		<8 mA		<8 mA		<8 mA	
120 mA		120 mA		120 mA		120 mA		120 mA	
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
<2V @ 120 mA		<2V @ 120 mA		<2V @ 120 mA		<2V @ 120 mA		<2V @ 120 mA	
800 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	
-20...+120 °C		-20...+120 °C		-20...+120 °C		-20...+120 °C		-20...+120 °C	
IP67		IP67		IP67		IP67		IP67	
PTFE		PTFE		PTFE		PTFE		PTFE	
SS 1.4301	V2A	SS 1.4301	V2A	SS 1.4301	V2A	SS 1.4301	V2A	SS 1.4301	V2A
none		built-in*	integriert*	built-in*	integriert*	none		none	
PTFE		silicone	Silikon	PTFE		silicone	Silikon	PTFE	
IHTD6-S2APO45-N2T		IHTD6-N4APO45-A2S		IHTD6-N4APO45-A2T		IHTD6-N4APO45-N2S		IHTD6-N4APO45-N2T	
IHTD6-S2APC45-N2T		IHTD6-N4APC45-A2S		IHTD6-N4APC45-A2T		IHTD6-N4APC45-N2S		IHTD6-N4APC45-N2T	
IHTD6-S2ANO45-N2T		IHTD6-N4ANO45-A2S		IHTD6-N4ANO45-A2T		IHTD6-N4ANO45-N2S		IHTD6-N4ANO45-N2T	
IHTD6-S2ANC45-N2T		IHTD6-N4ANC45-A2S		IHTD6-N4ANC45-A2T		IHTD6-N4ANC45-N2S		IHTD6-N4ANC45-N2T	

Inductive Proximity Switch
3-Wire DC
High Temperature Resistant

Induktive Näherungsschalter
3-Leiter DC Hitzebeständig

flush
bündig
M8×1 | 2 mm



120 °C · 249 °F

flush
bündig
M8×1 | 2 mm

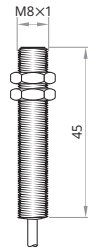
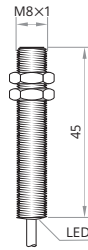


120 °C · 249 °F

flush
bündig
M8×1 | 2 mm



120 °C · 249 °F



Sensing distance S_n	Schaltabstand S_n	2 mm	2 mm	2 mm
Operating voltage	Betriebsspannung	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}
Reverse polarity protection	Verpolungsschutz	built-in	integriert	built-in
Current consumption	Stromverbrauch	<8 mA	<8 mA	<8 mA
Current load capability	Ausgangsbelastbarkeit	120 mA	120 mA	120 mA
Short circuit protection	Kurzschlusschutz	built-in	integriert	built-in
Voltage drop	Spannungsabfall	<2V @ 120 mA	<2V @ 120 mA	<2V @ 120 mA
Switching frequency	Schaltfrequenz	800 Hz	800 Hz	800 Hz
Reduction factors	Reduktionsfaktoren	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
Operating temperature	Betriebstemperatur	-20...+120 °C	-20...+120 °C	-20...+120 °C
Protection class	Schutzklasse	IP67	IP67	IP67
Sensing face material	Sensorflächenwerkstoff	PTFE	PTFE	PTFE
Housing material	Gehäusewerkstoff	SS 1.4301 V2A	SS 1.4301 V2A	SS 1.4301 V2A
Switching indicator	Schaltanzeige	built-in*	integriert*	none
Connection	Anschluss	silicone	Silikon	PTFE
Article code PNP, NO	↘	IHT8-S2APO45-A2S	IHT8-S2APO45-A2T	IHT8-S2APO45-N2S
Article code PNP, NC	↗	IHT8-S2APC45-A2S	IHT8-S2APC45-A2T	IHT8-S2APC45-N2S
Article code NPN, NO	↘	IHT8-S2ANO45-A2S	IHT8-S2ANO45-A2T	IHT8-S2ANO45-N2S
Article code NPN, NC	↗	IHT8-S2ANC45-A2S	IHT8-S2ANC45-A2T	IHT8-S2ANC45-N2S

Mind O=0, I=I≠1, S=5, B=8.

O=0, I=I≠1, S=5, B=8 beachten.

* Only for adjustment. LED can fail when operating at more than 120 °C (248 °F). The LED has no warranty.

* Nur zur Einstellung. Die LED kann bei Betrieb über 120 °C ausfallen. Die LED hat keine Garantie.

flush
bündig
M8x1 | 2 mm



non-flush
nicht bündig
M8x1 | 4 mm



non-flush
nicht bündig
M8x1 | 4 mm



non-flush
nicht bündig
M8x1 | 4 mm



non-flush
nicht bündig
M8x1 | 4 mm



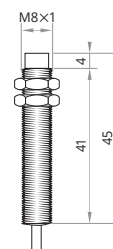
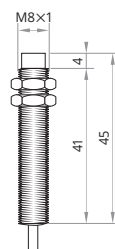
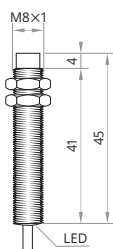
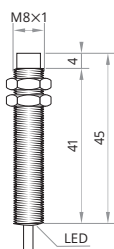
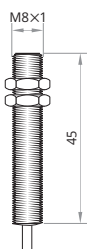
120 °C · 249 °F

120 °C · 249 °F

120 °C · 249 °F

120 °C · 249 °F

120 °C · 249 °F



2 mm		4 mm		4 mm		4 mm		4 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
<8 mA		<8 mA		<8 mA		<8 mA		<8 mA	
120 mA		120 mA		120 mA		120 mA		120 mA	
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
<2V @ 120 mA		<2V @ 120 mA		<2V @ 120 mA		<2V @ 120 mA		<2V @ 120 mA	
800 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	
-20...+120 °C		-20...+120 °C		-20...+120 °C		-20...+120 °C		-20...+120 °C	
IP67		IP67		IP67		IP67		IP67	
PTFE		PTFE		PTFE		PTFE		PTFE	
SS 1.4301	V2A	SS 1.4301	V2A	SS 1.4301	V2A	SS 1.4301	V2A	SS 1.4301	V2A
none		built-in*	integriert*	built-in*	integriert*	none		none	
PTFE		silicone	Silikon	PTFE		silicone	Silikon	PTFE	
IHT8-S2APO45-N2T		IHT8-N4APO45-A2S		IHT8-N4APO45-A2T		IHT8-N4APO45-N2S		IHT8-N4APO45-N2T	
IHT8-S2APC45-N2T		IHT8-N4APC45-A2S		IHT8-N4APC45-A2T		IHT8-N4APC45-N2S		IHT8-N4APC45-N2T	
IHT8-S2ANO45-N2T		IHT8-N4ANO45-A2S		IHT8-N4ANO45-A2T		IHT8-N4ANO45-N2S		IHT8-N4ANO45-N2T	
IHT8-S2ANC45-N2T		IHT8-N4ANC45-A2S		IHT8-N4ANC45-A2T		IHT8-N4ANC45-N2S		IHT8-N4ANC45-N2T	

Inductive Proximity Switch
3-Wire DC
High Temperature Resistant

Induktive Näherungsschalter
3-Leiter DC Hitzebeständig

flush
bündig
M12×1 | 2 mm



120 °C · 249 °F

flush
bündig
M12×1 | 2 mm

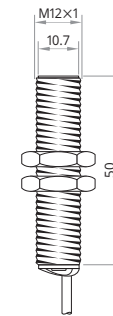
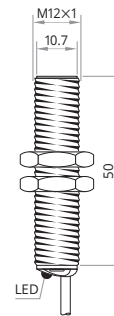
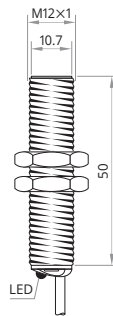


120 °C · 249 °F

flush
bündig
M12×1 | 2 mm



120 °C · 249 °F



Sensing distance S_n	Schaltabstand S_n	2 mm	2 mm	2 mm
Operating voltage	Betriebsspannung	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}
Reverse polarity protection	Verpolungsschutz	built-in	integriert	built-in
Current consumption	Stromverbrauch	<8 mA	<8 mA	<8 mA
Current load capability	Ausgangsbelastbarkeit	120 mA	120 mA	120 mA
Short circuit protection	Kurzschlusschutz	built-in	integriert	built-in
Voltage drop	Spannungsabfall	<2V @ 120 mA	<2V @ 120 mA	<2V @ 120 mA
Switching frequency	Schaltfrequenz	1000 Hz	1000 Hz	1000 Hz
Reduction factors	Reduktionsfaktoren	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
Operating temperature	Betriebstemperatur	-20...+120 °C	-20...+120 °C	-20...+120 °C
Protection class	Schutzklasse	IP67	IP67	IP67
Sensing face material	Sensorflächenwerkstoff	PTFE	PTFE	PTFE
Housing material	Gehäusewerkstoff	SS 1.4301 V2A	SS 1.4301 V2A	SS 1.4301 V2A
Switching indicator	Schaltanzeige	built-in*	integriert*	none
Connection	Anschluss	silicone	Silikon	PTFE
Article code PNP, NO	↘	IHT12-S2APO50-A2S	IHT12-S2APO50-A2T	IHT12-S2APO50-N2S
Article code PNP, NC	↗	IHT12-S2APC50-A2S	IHT12-S2APC50-A2T	IHT12-S2APC50-N2S
Article code NPN, NO	↘	IHT12-S2ANO50-A2S	IHT12-S2ANO50-A2T	IHT12-S2ANO50-N2S
Article code NPN, NC	↗	IHT12-S2ANC50-A2S	IHT12-S2ANC50-A2T	IHT12-S2ANC50-N2S

Mind O=0, I≠I=1, S=5, B=8.

O=0, I≠I=1, S=5, B=8 beachten.

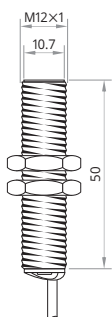
* Only for adjustment. LED can fail when operating at more than 120 °C (248 °F). The LED has no warranty.

* Nur zur Einstellung. Die LED kann bei Betrieb über 120 °C ausfallen. Die LED hat keine Garantie.

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bündig
M12×1 | 2 mm



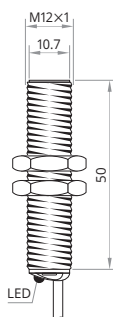
120 °C · 249 °F



flush
bündig
M12×1 | 4 mm



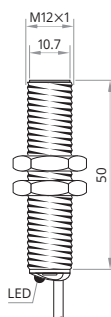
120 °C · 249 °F



flush
bündig
M12×1 | 4 mm



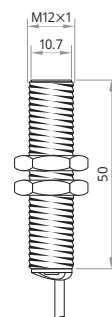
120 °C · 249 °F



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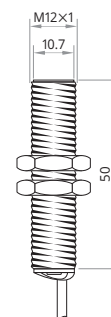
120 °C · 249 °F



flush
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M12×1 | 4 mm



120 °C · 249 °F



2 mm		4 mm		4 mm		4 mm		4 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
<8 mA		<8 mA		<8 mA		<8 mA		<8 mA	
120 mA		120 mA		120 mA		120 mA		120 mA	
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
<2V @ 120 mA		<2V @ 120 mA		<2V @ 120 mA		<2V @ 120 mA		<2V @ 120 mA	
1000 Hz		800 Hz		800 Hz		800 Hz		800 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	
-20...+120 °C		-20...+120 °C		-20...+120 °C		-20...+120 °C		-20...+120 °C	
IP67		IP67		IP67		IP67		IP67	
PTFE		PTFE		PTFE		PTFE		PTFE	
SS 1.4301	V2A	SS 1.4301	V2A	SS 1.4301	V2A	SS 1.4301	V2A	SS 1.4301	V2A
none		built-in*	integriert*	built-in*	integriert*	none		none	
PTFE		silicone	Silikon	PTFE		silicone	Silikon	PTFE	
IHT12-S2APO50-N2T		IHT12-S4APO50-A2S		IHT12-S4APO50-A2T		IHT12-S4APO50-N2S		IHT12-S4APO50-N2T	
IHT12-S2APC50-N2T		IHT12-S4APC50-A2S		IHT12-S4APC50-A2T		IHT12-S4APC50-N2S		IHT12-S4APC50-N2T	
IHT12-S2ANO50-N2T		IHT12-S4ANO50-A2S		IHT12-S4ANO50-A2T		IHT12-S4ANO50-N2S		IHT12-S4ANO50-N2T	
IHT12-S2ANC50-N2T		IHT12-S4ANC50-A2S		IHT12-S4ANC50-A2T		IHT12-S4ANC50-N2S		IHT12-S4ANC50-N2T	

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3-Wire DC
High Temperature Resistant

Induktive Näherungsschalter
3-Leiter DC Hitzebeständig

non-flush
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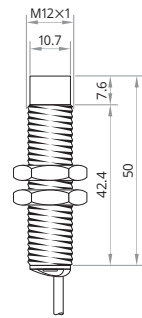
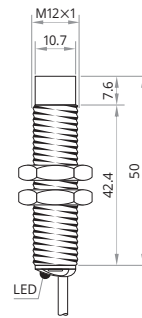
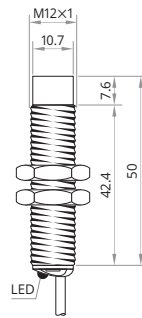


120 °C · 249 °F

non-flush
nicht bündig
M12×1 | 4 mm



120 °C · 249 °F



Sensing distance S_n	Schaltabstand S_n	4 mm	4 mm	4 mm
Operating voltage	Betriebsspannung	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}
Reverse polarity protection	Verpolungsschutz	built-in	integriert	built-in
Current consumption	Stromverbrauch	<8 mA	<8 mA	<8 mA
Current load capability	Ausgangsbelastbarkeit	120 mA	120 mA	120 mA
Short circuit protection	Kurzschlusschutz	built-in	integriert	built-in
Voltage drop	Spannungsabfall	<2V @ 120 mA	<2V @ 120 mA	<2V @ 120 mA
Switching frequency	Schaltfrequenz	800 Hz	800 Hz	800 Hz
Reduction factors	Reduktionsfaktoren	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
Operating temperature	Betriebstemperatur	-20...+120 °C	-20...+120 °C	-20...+120 °C
Protection class	Schutzklasse	IP67	IP67	IP67
Sensing face material	Sensorflächenwerkstoff	PTFE	PTFE	PTFE
Housing material	Gehäusewerkstoff	SS 1.4301 V2A	SS 1.4301 V2A	SS 1.4301 V2A
Switching indicator	Schaltanzeige	built-in*	integriert*	none
Connection	Anschluss	silicone	Silikon	PTFE
Article code PNP, NO	↘	IHT12-N4APO50-A2S	IHT12-N4APO50-A2T	IHT12-N4APO50-N2S
Article code PNP, NC	↗	IHT12-N4APC50-A2S	IHT12-N4APC50-A2T	IHT12-N4APC50-N2S
Article code NPN, NO	↘	IHT12-N4ANO50-A2S	IHT12-N4ANO50-A2T	IHT12-N4ANO50-N2S
Article code NPN, NC	↗	IHT12-N4ANC50-A2S	IHT12-N4ANC50-A2T	IHT12-N4ANC50-N2S

Mind O≠0, I≠I≠1, S≠5, B≠8.

O≠0, I≠I≠1, S≠5, B≠8 beachten.

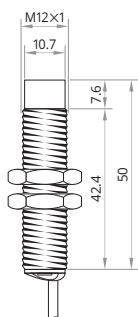
* Only for adjustment. LED can fail when operating at more than 120 °C (248 °F). The LED has no warranty.

* Nur zur Einstellung. Die LED kann bei Betrieb über 120 °C ausfallen. Die LED hat keine Garantie.

non-flush
nicht bündig
M12×1 | 4 mm



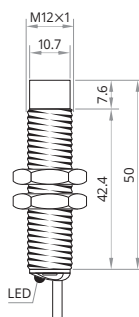
120 °C · 249 °F



non-flush
nicht bündig
M12×1 | 8 mm



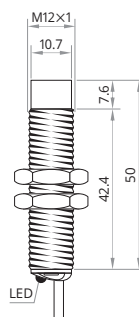
120 °C · 249 °F



non-flush
nicht bündig
M12×1 | 8 mm



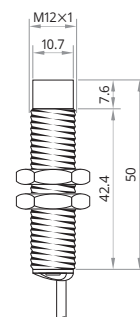
120 °C · 249 °F



non-flush
nicht bündig
M12×1 | 8 mm



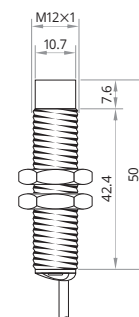
120 °C · 249 °F



non-flush
nicht bündig
M12×1 | 8 mm



120 °C · 249 °F



4 mm	8 mm	8 mm	8 mm	8 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
<8 mA	<8 mA	<8 mA	<8 mA	<8 mA
120 mA	120 mA	120 mA	120 mA	120 mA
built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert
<2V @ 120 mA	<2V @ 120 mA	<2V @ 120 mA	<2V @ 120 mA	<2V @ 120 mA
800 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
-20...+120 °C	-20...+120 °C	-20...+120 °C	-20...+120 °C	-20...+120 °C
IP67	IP67	IP67	IP67	IP67
PTFE	PTFE	PTFE	PTFE	PTFE
SS 1.4301 V2A	SS 1.4301 V2A	SS 1.4301 V2A	SS 1.4301 V2A	SS 1.4301 V2A
none	built-in* integriert*	built-in* integriert*	none	none
PTFE	silicone Silikon	PTFE	silicone Silikon	PTFE
IHT12-N4APO50-N2T	IHT12-N8APO50-A2S	IHT12-N8APO50-A2T	IHT12-N8APO50-N2S	IHT12-N8APO50-N2T
IHT12-N4APC50-N2T	IHT12-N8APC50-A2S	IHT12-N8APC50-A2T	IHT12-N8APC50-N2S	IHT12-N8APC50-N2T
IHT12-N4ANO50-N2T	IHT12-N8ANO50-A2S	IHT12-N8ANO50-A2T	IHT12-N8ANO50-N2S	IHT12-N8ANO50-N2T
IHT12-N4ANC50-N2T	IHT12-N8ANC50-A2S	IHT12-N8ANC50-A2T	IHT12-N8ANC50-N2S	IHT12-N8ANC50-N2T

Inductive Proximity Switch

3-Wire DC

High Temperature Resistant

Induktive Näherungsschalter

3-Leiter DC Hitzebeständig

flush
bündig
M18×1 | 5 mm



120 °C · 249 °F

flush
bündig
M18×1 | 5 mm

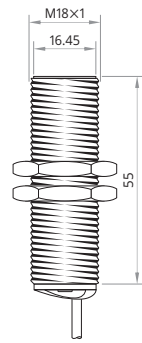
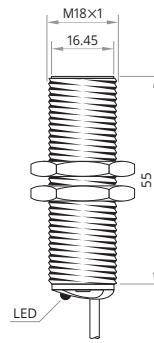
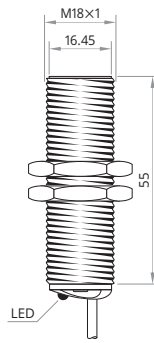


120 °C · 249 °F

flush
bündig
M18×1 | 5 mm



120 °C · 249 °F



Sensing distance S_n	Schaltabstand S_n	5 mm	5 mm	5 mm
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	150 mA	150 mA	150 mA
Short circuit protection	Kurzschlusschutz	built-in integriert	built-in integriert	built-in integriert
Voltage drop	Spannungsabfall	<2V @ 150 mA	<2V @ 150 mA	<2V @ 150 mA
Switching frequency	Schaltfrequenz	500 Hz	500 Hz	500 Hz
Reduction factors	Reduktionsfaktoren	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
Operating temperature	Betriebstemperatur	-20...+120 °C	-20...+120 °C	-20...+120 °C
Protection class	Schutzklasse	IP67	IP67	IP67
Sensing face material	Sensorflächenwerkstoff	PTFE	PTFE	PTFE
Housing material	Gehäusewerkstoff	SS 1.4301 V2A	SS 1.4301 V2A	SS 1.4301 V2A
Switching indicator	Schaltanzeige	built-in* integriert*	built-in* integriert*	none
Connection	Anschluss	silicone Silikon	PTFE	silicone Silikon
Article code PNP, NO	↘	IHT18-S5APO55-A2S	IHT18-S5APO55-A2T	IHT18-S5APO55-N2S
Article code PNP, NC	↗	IHT18-S5APC55-A2S	IHT18-S5APC55-A2T	IHT18-S5APC55-N2S
Article code NPN, NO	↘	IHT18-S5ANO55-A2S	IHT18-S5ANO55-A2T	IHT18-S5ANO55-N2S
Article code NPN, NC	↗	IHT18-S5ANC55-A2S	IHT18-S5ANC55-A2T	IHT18-S5ANC55-N2S

Mind O=0, I≠I=1, S=5, B=8.

O=0, I≠I=1, S=5, B=8 beachten.

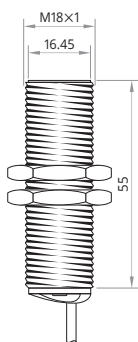
* Only for adjustment. LED can fail when operating at more than 120 °C (248 °F). The LED has no warranty.

* Nur zur Einstellung. Die LED kann bei Betrieb über 120 °C ausfallen. Die LED hat keine Garantie.

flush
bündig
M18×1 | 5 mm



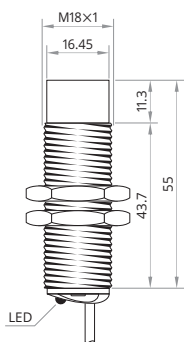
120 °C · 249 °F



non-flush
nicht bündig
M18×1 | 8 mm



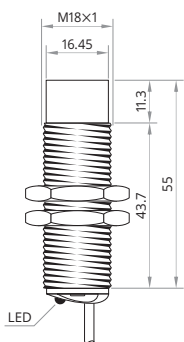
120 °C · 249 °F



non-flush
nicht bündig
M18×1 | 8 mm



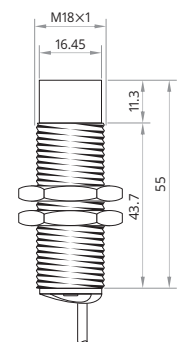
120 °C · 249 °F



non-flush
nicht bündig
M18×1 | 8 mm



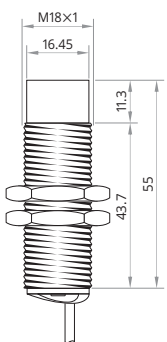
120 °C · 249 °F



non-flush
nicht bündig
M18×1 | 8 mm



120 °C · 249 °F



5 mm	8 mm	8 mm	8 mm	8 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
<8 mA	<8 mA	<8 mA	<8 mA	<8 mA
150 mA	150 mA	150 mA	150 mA	150 mA
built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert
<2V @ 150 mA	<2V @ 150 mA	<2V @ 150 mA	<2V @ 150 mA	<2V @ 150 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
-20...+120 °C	-20...+120 °C	-20...+120 °C	-20...+120 °C	-20...+120 °C
IP67	IP67	IP67	IP67	IP67
PTFE	PTFE	PTFE	PTFE	PTFE
SS 1.4301 V2A	SS 1.4301 V2A	SS 1.4301 V2A	SS 1.4301 V2A	SS 1.4301 V2A
none	built-in* integriert*	built-in* integriert*	none	none
PTFE	silicone Silikon	PTFE	silicone Silikon	PTFE
IHT18-S5APO55-N2T	IHT18-N8APO55-A2S	IHT18-N8APO55-A2T	IHT18-N8APO55-N2S	IHT18-N8APO55-N2T
IHT18-S5APC55-N2T	IHT18-N8APC55-A2S	IHT18-N8APC55-A2T	IHT18-N8APC55-N2S	IHT18-N8APC55-N2T
IHT18-S5ANO55-N2T	IHT18-N8ANO55-A2S	IHT18-N8ANO55-A2T	IHT18-N8ANO55-N2S	IHT18-N8ANO55-N2T
IHT18-S5ANC55-N2T	IHT18-N8ANC55-A2S	IHT18-N8ANC55-A2T	IHT18-N8ANC55-N2S	IHT18-N8ANC55-N2T

Inductive Proximity Switch

3-Wire DC

High Temperature Resistant

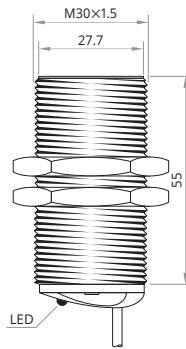
Induktive Näherungsschalter

3-Leiter DC Hitzebeständig

flush
bündig
M30×1.5 | 10 mm



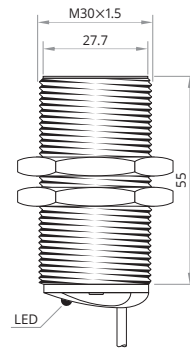
120 °C · 249 °F



flush
bündig
M30×1.5 | 10 mm



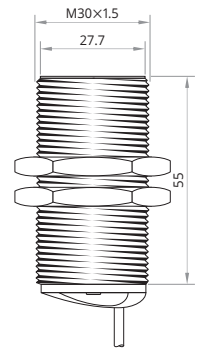
120 °C · 249 °F



flush
bündig
M30×1.5 | 10 mm



120 °C · 249 °F



Sensing distance S_n	Schaltabstand S_n	10 mm	10 mm	10 mm
Operating voltage	Betriebsspannung	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}
Reverse polarity protection	Verpolungsschutz	built-in	integriert	built-in
Current consumption	Stromverbrauch	<8 mA	<8 mA	<8 mA
Current load capability	Ausgangsbelastbarkeit	150 mA	150 mA	150 mA
Short circuit protection	Kurzschlusschutz	built-in	integriert	built-in
Voltage drop	Spannungsabfall	<2V @ 150 mA	<2V @ 150 mA	<2V @ 150 mA
Switching frequency	Schaltfrequenz	200 Hz	200 Hz	200 Hz
Reduction factors	Reduktionsfaktoren	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
Operating temperature	Betriebstemperatur	-20...+120 °C	-20...+120 °C	-20...+120 °C
Protection class	Schutzklasse	IP67	IP67	IP67
Sensing face material	Sensorflächenwerkstoff	PTFE	PTFE	PTFE
Housing material	Gehäusewerkstoff	SS 1.4301 V2A	SS 1.4301 V2A	SS 1.4301 V2A
Switching indicator	Schaltanzeige	built-in*	integriert*	none
Connection	Anschluss	silicone	Silikon	PTFE
Article code PNP, NO	↘	IHT30-S10APO55-A2S	IHT30-S10APO55-A2T	IHT30-S10APO55-N2S
Article code PNP, NC	↗	IHT30-S10APC55-A2S	IHT30-S10APC55-A2T	IHT30-S10APC55-N2S
Article code NPN, NO	↘	IHT30-S10ANO55-A2S	IHT30-S10ANO55-A2T	IHT30-S10ANO55-N2S
Article code NPN, NC	↗	IHT30-S10ANC55-A2S	IHT30-S10ANC55-A2T	IHT30-S10ANC55-N2S

Mind O≠0, I≠I≠1, S≠5, B≠8.

O≠0, I≠I≠1, S≠5, B≠8 beachten.

* Only for adjustment. LED can fail when operating at more than 120 °C (248 °F). The LED has no warranty.

* Nur zur Einstellung. Die LED kann bei Betrieb über 120 °C ausfallen. Die LED hat keine Garantie.

flush
bündig
M30×1.5 | 10 mm



120 °C · 249 °F

non-flush
nicht bündig
M30×1.5 | 15 mm



120 °C · 249 °F

non-flush
nicht bündig
M30×1.5 | 15 mm



120 °C · 249 °F

non-flush
nicht bündig
M30×1.5 | 15 mm

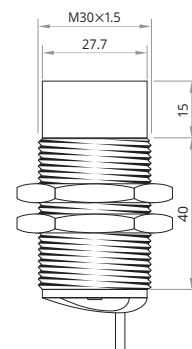
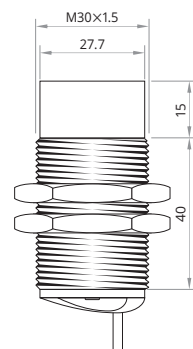
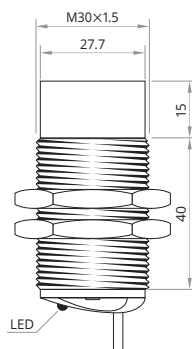
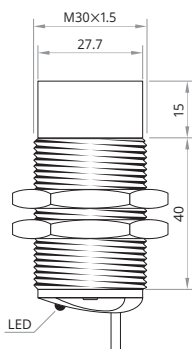
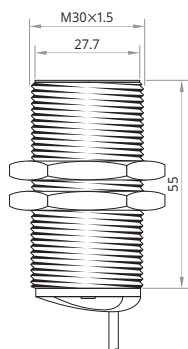


120 °C · 249 °F

non-flush
nicht bündig
M30×1.5 | 15 mm



120 °C · 249 °F



10 mm	15 mm	15 mm	15 mm	15 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
<8 mA	<8 mA	<8 mA	<8 mA	<8 mA
150 mA	150 mA	150 mA	150 mA	150 mA
built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert
<2V @ 150 mA	<2V @ 150 mA	<2V @ 150 mA	<2V @ 150 mA	<2V @ 150 mA
200 Hz	200 Hz	200 Hz	200 Hz	200 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
-20...+120 °C	-20...+120 °C	-20...+120 °C	-20...+120 °C	-20...+120 °C
IP67	IP67	IP67	IP67	IP67
PTFE	PTFE	PTFE	PTFE	PTFE
SS 1.4301 V2A	SS 1.4301 V2A	SS 1.4301 V2A	SS 1.4301 V2A	SS 1.4301 V2A
none	built-in* integriert*	built-in* integriert*	none	none
PTFE	silicone Silikon	PTFE	silicone Silikon	PTFE
IHT30-S10APO55-N2T	IHT30-N15APO55-A2S	IHT30-N15APO55-A2T	IHT30-N15APO55-N2S	IHT30-N15APO55-N2T
IHT30-S10APC55-N2T	IHT30-N15APC55-A2S	IHT30-N15APC55-A2T	IHT30-N15APC55-N2S	IHT30-N15APC55-N2T
IHT30-S10ANO55-N2T	IHT30-N15ANO55-A2S	IHT30-N15ANO55-A2T	IHT30-N15ANO55-N2S	IHT30-N15ANO55-N2T
IHT30-S10ANC55-N2T	IHT30-N15ANC55-A2S	IHT30-N15ANC55-A2T	IHT30-N15ANC55-N2S	IHT30-N15ANC55-N2T

Inductive Proximity Switch
3-Wire DC
High Temperature Resistant

Induktive Näherungsschalter
3-Leiter DC Hitzebeständig

flush
bündig
M12×1 | 2 mm



150 °C · 303 °F

flush
bündig
M12×1 | 2 mm

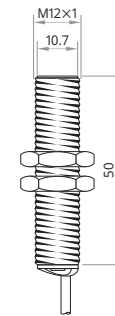
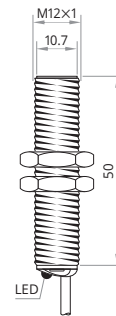
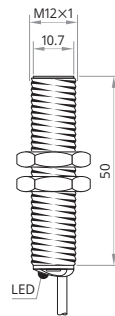


150 °C · 303 °F

flush
bündig
M12×1 | 2 mm



150 °C · 303 °F



Sensing distance S_n	Schaltabstand S_n	2 mm	2 mm	2 mm
Operating voltage	Betriebsspannung	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}
Reverse polarity protection	Verpolungsschutz	built-in	integriert	built-in
Current consumption	Stromverbrauch	<8 mA	<8 mA	<8 mA
Current load capability	Ausgangsbelastbarkeit	120 mA	120 mA	120 mA
Short circuit protection	Kurzschlusschutz	built-in	integriert	built-in
Voltage drop	Spannungsabfall	<2V @ 120 mA	<2V @ 120 mA	<2V @ 120 mA
Switching frequency	Schaltfrequenz	800 Hz	800 Hz	800 Hz
Reduction factors	Reduktionsfaktoren	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
Operating temperature	Betriebstemperatur	-20...+150 °C	-20...+150 °C	-20...+150 °C
Protection class	Schutzklasse	IP67	IP67	IP67
Sensing face material	Sensorflächenwerkstoff	PTFE	PTFE	PTFE
Housing material	Gehäusewerkstoff	SS 1.4301 V2A	SS 1.4301 V2A	SS 1.4301 V2A
Switching indicator	Schaltanzeige	built-in*	integriert*	none
Connection	Anschluss	silicone	Silikon	PTFE
Article code PNP, NO		IHT12-S2BPO50-A2S	IHT12-S2BPO50-A2T	IHT12-S2BPO50-N2S
Article code PNP, NC		IHT12-S2BPC50-A2S	IHT12-S2BPC50-A2T	IHT12-S2BPC50-N2S
Article code NPN, NO		IHT12-S2BNO50-A2S	IHT12-S2BNO50-A2T	IHT12-S2BNO50-N2S
Article code NPN, NC		IHT12-S2BNC50-A2S	IHT12-S2BNC50-A2T	IHT12-S2BNC50-N2S

Mind O=0, I≠I=1, S=5, B=8.

O=0, I≠I=1, S=5, B=8 beachten.

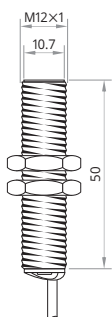
* Only for adjustment. LED can fail when operating at more than 120 °C (248 °F). The LED has no warranty.

* Nur zur Einstellung. Die LED kann bei Betrieb über 120 °C ausfallen. Die LED hat keine Garantie.

flush
bündig
M12×1 | 2 mm



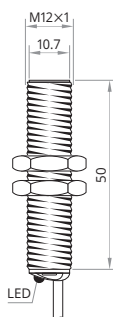
150 °C · 303 °F



flush
bündig
M12×1 | 4 mm



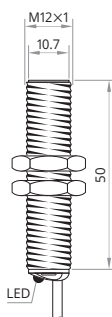
150 °C · 303 °F



flush
bündig
M12×1 | 4 mm



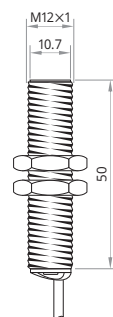
150 °C · 303 °F



flush
bündig
M12×1 | 4 mm



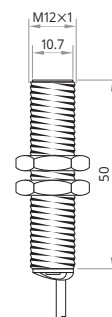
150 °C · 303 °F



flush
bündig
M12×1 | 4 mm



150 °C · 303 °F



2 mm	4 mm	4 mm	4 mm	4 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
<8 mA	<8 mA	<8 mA	<8 mA	<8 mA
120 mA	120 mA	120 mA	120 mA	120 mA
built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert
<2V @ 120 mA	<2V @ 120 mA	<2V @ 120 mA	<2V @ 120 mA	<2V @ 120 mA
800 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
-20...+150 °C	-20...+150 °C	-20...+150 °C	-20...+150 °C	-20...+150 °C
IP67	IP67	IP67	IP67	IP67
PTFE	PTFE	PTFE	PTFE	PTFE
SS 1.4301 V2A	SS 1.4301 V2A	SS 1.4301 V2A	SS 1.4301 V2A	SS 1.4301 V2A
none	built-in* integriert*	built-in* integriert*	none	none
PTFE	silicone Silikon	PTFE	silicone Silikon	PTFE
IHT12-S2BPO50-N2T	IHT12-S4BPO50-A2S	IHT12-S4BPO50-A2T	IHT12-S4BPO50-N2S	IHT12-S4BPO50-N2T
IHT12-S2BPC50-N2T	IHT12-S4BPC50-A2S	IHT12-S4BPC50-A2T	IHT12-S4BPC50-N2S	IHT12-S4BPC50-N2T
IHT12-S2BNO50-N2T	IHT12-S4BNO50-A2S	IHT12-S4BNO50-A2T	IHT12-S4BNO50-N2S	IHT12-S4BNO50-N2T
IHT12-S2BNC50-N2T	IHT12-S4BNC50-A2S	IHT12-S4BNC50-A2T	IHT12-S4BNC50-N2S	IHT12-S4BNC50-N2T

Inductive Proximity Switch
3-Wire DC
High Temperature Resistant

Induktive Näherungsschalter
3-Leiter DC Hitzebeständig

non-flush
nicht bündig
M12×1 | 4 mm



150 °C · 303 °F

non-flush
nicht bündig
M12×1 | 4 mm

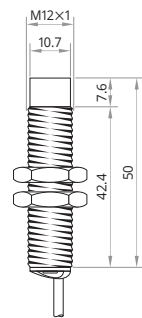
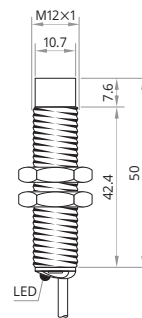
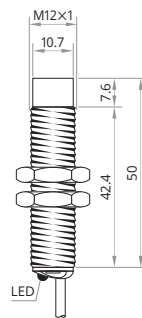


150 °C · 303 °F

non-flush
nicht bündig
M12×1 | 4 mm



150 °C · 303 °F



Sensing distance S_n	Schaltabstand S_n	4 mm	4 mm	4 mm
Operating voltage	Betriebsspannung	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}
Reverse polarity protection	Verpolungsschutz	built-in	integriert	built-in
Current consumption	Stromverbrauch	<8 mA	<8 mA	<8 mA
Current load capability	Ausgangsbelastbarkeit	120 mA	120 mA	120 mA
Short circuit protection	Kurzschlusschutz	built-in	integriert	built-in
Voltage drop	Spannungsabfall	<2V @ 120 mA	<2V @ 120 mA	<2V @ 120 mA
Switching frequency	Schaltfrequenz	500 Hz	500 Hz	500 Hz
Reduction factors	Reduktionsfaktoren	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
Operating temperature	Betriebstemperatur	-20...+150 °C	-20...+150 °C	-20...+150 °C
Protection class	Schutzklasse	IP67	IP67	IP67
Sensing face material	Sensorflächenwerkstoff	PTFE	PTFE	PTFE
Housing material	Gehäusewerkstoff	SS 1.4301 V2A	SS 1.4301 V2A	SS 1.4301 V2A
Switching indicator	Schaltanzeige	built-in*	integriert*	none
Connection	Anschluss	silicone	Silikon	PTFE
Article code PNP, NO	↘	IHT12-N4BPO50-A2S	IHT12-N4BPO50-A2T	IHT12-N4BPO50-N2S
Article code PNP, NC	↗	IHT12-N4BPC50-A2S	IHT12-N4BPC50-A2T	IHT12-N4BPC50-N2S
Article code NPN, NO	↘	IHT12-N4BNO50-A2S	IHT12-N4BNO50-A2T	IHT12-N4BNO50-N2S
Article code NPN, NC	↗	IHT12-N4BNC50-A2S	IHT12-N4BNC50-A2T	IHT12-N4BNC50-N2S

Mind O=0, I=I≠1, S=5, B=8.

O=0, I=I≠1, S=5, B=8 beachten.

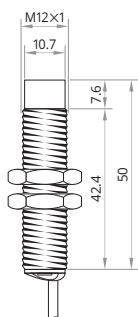
* Only for adjustment. LED can fail when operating at more than 120 °C (248 °F). The LED has no warranty.

* Nur zur Einstellung. Die LED kann bei Betrieb über 120 °C ausfallen. Die LED hat keine Garantie.

non-flush
nicht bündig
M12×1 | 4 mm



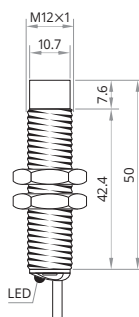
150 °C · 303 °F



non-flush
nicht bündig
M12×1 | 8 mm



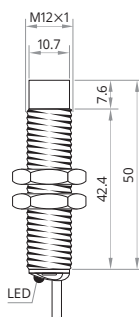
150 °C · 303 °F



non-flush
nicht bündig
M12×1 | 8 mm



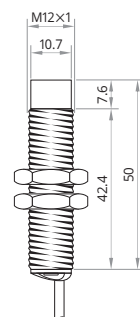
150 °C · 303 °F



non-flush
nicht bündig
M12×1 | 8 mm



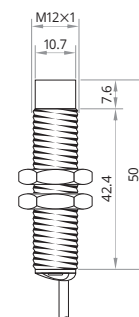
150 °C · 303 °F



non-flush
nicht bündig
M12×1 | 8 mm



150 °C · 303 °F



4 mm	8 mm	8 mm	8 mm	8 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
<8 mA	<8 mA	<8 mA	<8 mA	<8 mA
120 mA	120 mA	120 mA	120 mA	120 mA
built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert
<2V @ 120 mA	<2V @ 120 mA	<2V @ 120 mA	<2V @ 120 mA	<2V @ 120 mA
500 Hz	300 Hz	300 Hz	300 Hz	300 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
-20...+150 °C	-20...+150 °C	-20...+150 °C	-20...+150 °C	-20...+150 °C
IP67	IP67	IP67	IP67	IP67
PTFE	PTFE	PTFE	PTFE	PTFE
SS 1.4301 V2A	SS 1.4301 V2A	SS 1.4301 V2A	SS 1.4301 V2A	SS 1.4301 V2A
none	built-in* integriert*	built-in* integriert*	none	none
PTFE	silicone Silikon	PTFE	silicone Silikon	PTFE
IHT12-N4BPO50-N2T	IHT12-N8BPO50-A2S	IHT12-N8BPO50-A2T	IHT12-N8BPO50-N2S	IHT12-N8BPO50-N2T
IHT12-N4BPC50-N2T	IHT12-N8BPC50-A2S	IHT12-N8BPC50-A2T	IHT12-N8BPC50-N2S	IHT12-N8BPC50-N2T
IHT12-N4BNO50-N2T	IHT12-N8BNO50-A2S	IHT12-N8BNO50-A2T	IHT12-N8BNO50-N2S	IHT12-N8BNO50-N2T
IHT12-N4BNC50-N2T	IHT12-N8BNC50-A2S	IHT12-N8BNC50-A2T	IHT12-N8BNC50-N2S	IHT12-N8BNC50-N2T

Inductive Proximity Switch
3-Wire DC
High Temperature Resistant

Induktive Näherungsschalter
3-Leiter DC Hitzebeständig

flush
bündig
M18×1 | 8 mm



flush
bündig
M18×1 | 5 mm



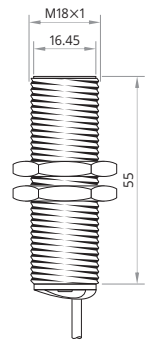
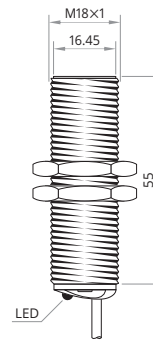
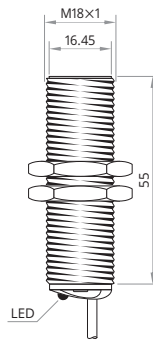
flush
bündig
M18×1 | 8 mm



150 °C · 303 °F

150 °C · 303 °F

150 °C · 303 °F



Sensing distance S_n	Schaltabstand S_n	8 mm		5 mm		8 mm	
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	150 mA		150 mA		150 mA	
Short circuit protection	Kurzschlusschutz	built-in	integriert	built-in	integriert	built-in	integriert
Voltage drop	Spannungsabfall	<2V @ 150 mA		<2V @ 150 mA		<2V @ 150 mA	
Switching frequency	Schaltfrequenz	500 Hz		500 Hz		500 Hz	
Reduction factors	Reduktionsfaktoren	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	
Operating temperature	Betriebstemperatur	-20...+150 °C		-20...+150 °C		-20...+150 °C	
Protection class	Schutzklasse	IP67		IP67		IP67	
Sensing face material	Sensorflächenwerkstoff	PTFE		PTFE		PTFE	
Housing material	Gehäusewerkstoff	SS 1.4301	V2A	SS 1.4301	V2A	SS 1.4301	V2A
Switching indicator	Schaltanzeige	built-in*	integriert*	built-in*	integriert*	none	
Connection	Anschluss	silicone	Silikon	PTFE		silicone	Silikon
Article code PNP, NO	↘	IHT18-S5BPO55-A2S		IHT18-S5BPO55-A2T		IHT18-S5BPO55-N2S	
Article code PNP, NC	↗	IHT18-S5BPC55-A2S		IHT18-S5BPC55-A2T		IHT18-S5BPC55-N2S	
Article code NPN, NO	↘	IHT18-S5BNO55-A2S		IHT18-S5BNO55-A2T		IHT18-S5BNO55-N2S	
Article code NPN, NC	↗	IHT18-S5BNC55-A2S		IHT18-S5BNC55-A2T		IHT18-S5BNC55-N2S	

Mind O=0, I≠I=1, S=5, B=8.

O=0, I≠I=1, S=5, B=8 beachten.

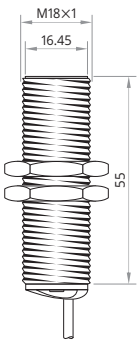
* Only for adjustment. LED can fail when operating at more than 120 °C (248 °F). The LED has no warranty.

* Nur zur Einstellung. Die LED kann bei Betrieb über 120 °C ausfallen. Die LED hat keine Garantie.

flush
bündig
M18×1 | 5 mm



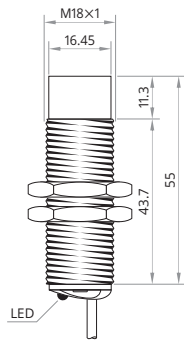
150 °C · 303 °F



non-flush
nicht bündig
M18×1 | 8 mm



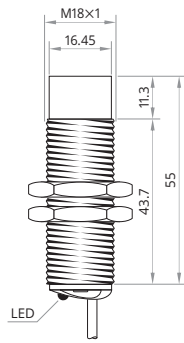
150 °C · 303 °F



non-flush
nicht bündig
M18×1 | 8 mm



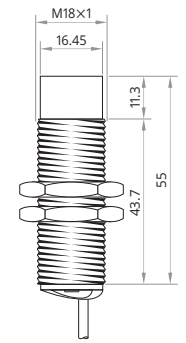
150 °C · 303 °F



non-flush
nicht bündig
M18×1 | 8 mm



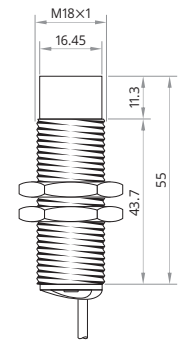
150 °C · 303 °F



non-flush
nicht bündig
M18×1 | 8 mm



150 °C · 303 °F



5 mm	8 mm	8 mm	8 mm	8 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
<8 mA	<8 mA	<8 mA	<8 mA	<8 mA
150 mA	150 mA	150 mA	150 mA	150 mA
built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert
<2V @ 150 mA	<2V @ 150 mA	<2V @ 150 mA	<2V @ 150 mA	<2V @ 150 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
-20...+150 °C	-20...+150 °C	-20...+150 °C	-20...+150 °C	-20...+150 °C
IP67	IP67	IP67	IP67	IP67
PTFE	PTFE	PTFE	PTFE	PTFE
SS 1.4301 V2A	SS 1.4301 V2A	SS 1.4301 V2A	SS 1.4301 V2A	SS 1.4301 V2A
none	built-in* integriert*	built-in* integriert*	none	none
PTFE	silicone Silikon	PTFE	silicone Silikon	PTFE
IHT18-S5BPO55-N2T	IHT18-N8BPO55-A2S	IHT18-N8BPO55-A2T	IHT18-N8BPO55-N2S	IHT18-N8BPO55-N2T
IHT18-S5BPC55-N2T	IHT18-N8BPC55-A2S	IHT18-N8BPC55-A2T	IHT18-N8BPC55-N2S	IHT18-N8BPC55-N2T
IHT18-S5BNO55-N2T	IHT18-N8BNO55-A2S	IHT18-N8BNO55-A2T	IHT18-N8BNO55-N2S	IHT18-N8BNO55-N2T
IHT18-S5BNC55-N2T	IHT18-N8BNC55-A2S	IHT18-N8BNC55-A2T	IHT18-N8BNC55-N2S	IHT18-N8BNC55-N2T

Inductive Proximity Switch

3-Wire DC

High Temperature Resistant

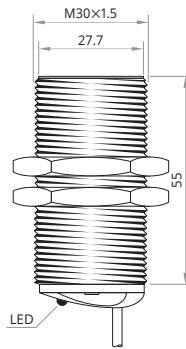
Induktive Näherungsschalter

3-Leiter DC Hitzebeständig

flush
bündig
M30×1.5 | 10 mm



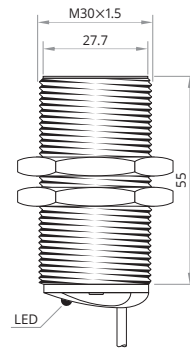
150 °C · 303 °F



flush
bündig
M30×1.5 | 10 mm



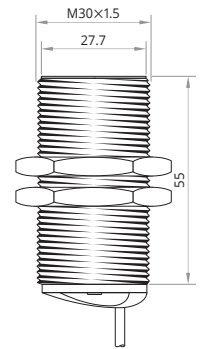
150 °C · 303 °F



flush
bündig
M30×1.5 | 10 mm



150 °C · 303 °F



Sensing distance S_n	Schaltabstand S_n	10 mm	10 mm	10 mm
Operating voltage	Betriebsspannung	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}
Reverse polarity protection	Verpolungsschutz	built-in	integriert	built-in
Current consumption	Stromverbrauch	<8 mA	<8 mA	<8 mA
Current load capability	Ausgangsbelastbarkeit	150 mA	150 mA	150 mA
Short circuit protection	Kurzschlusschutz	built-in	integriert	built-in
Voltage drop	Spannungsabfall	<2V @ 150 mA	<2V @ 150 mA	<2V @ 150 mA
Switching frequency	Schaltfrequenz	500 Hz	200 Hz	500 Hz
Reduction factors	Reduktionsfaktoren	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
Operating temperature	Betriebstemperatur	-20...+150 °C	-20...+150 °C	-20...+150 °C
Protection class	Schutzklasse	IP67	IP67	IP67
Sensing face material	Sensorflächenwerkstoff	PTFE	PTFE	PTFE
Housing material	Gehäusewerkstoff	SS 1.4301 V2A	SS 1.4301 V2A	SS 1.4301 V2A
Switching indicator	Schaltanzeige	built-in*	integriert*	none
Connection	Anschluss	silicone	Silikon	PTFE
Article code PNP, NO	↘	IHT30-S10BPO55-A2S	IHT30-S10BPO55-A2T	IHT30-S10BPO55-N2S
Article code PNP, NC	↗	IHT30-S10BPC55-A2S	IHT30-S10BPC55-A2T	IHT30-S10BPC55-N2S
Article code NPN, NO	↘	IHT30-S10BNO55-A2S	IHT30-S10BNO55-A2T	IHT30-S10BNO55-N2S
Article code NPN, NC	↗	IHT30-S10BNC55-A2S	IHT30-S10BNC55-A2T	IHT30-S10BNC55-N2S

Mind O≠0, I≠I≠1, S≠5, B≠8.

O≠0, I≠I≠1, S≠5, B≠8 beachten.

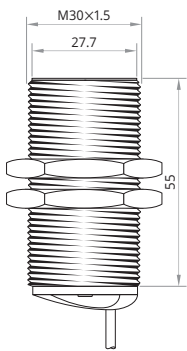
* Only for adjustment. LED can fail when operating at more than 120 °C (248 °F). The LED has no warranty.

* Nur zur Einstellung. Die LED kann bei Betrieb über 120 °C ausfallen. Die LED hat keine Garantie.

flush
bündig
M30×1.5 | 10 mm



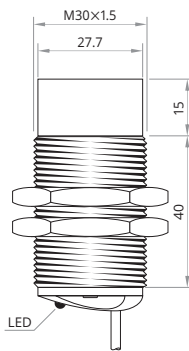
150 °C · 303 °F



non-flush
nicht bündig
M30×1.5 | 15 mm



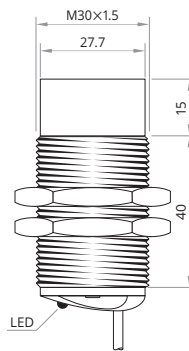
150 °C · 303 °F



non-flush
nicht bündig
M30×1.5 | 15 mm



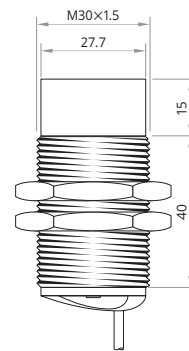
150 °C · 303 °F



non-flush
nicht bündig
M30×1.5 | 15 mm



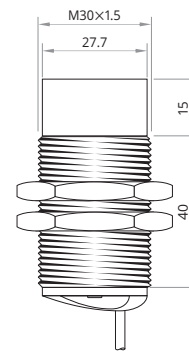
150 °C · 303 °F



non-flush
nicht bündig
M30×1.5 | 15 mm



150 °C · 303 °F



10 mm	15 mm	15 mm	15 mm	15 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
<8 mA	<8 mA	<8 mA	<8 mA	<8 mA
150 mA	150 mA	150 mA	150 mA	150 mA
built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert
<2V @ 150 mA	<2V @ 150 mA	<2V @ 150 mA	<2V @ 150 mA	<2V @ 150 mA
200 Hz	200 Hz	200 Hz	200 Hz	200 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
-20...+150 °C	-20...+150 °C	-20...+150 °C	-20...+150 °C	-20...+150 °C
IP67	IP67	IP67	IP67	IP67
PTFE	PTFE	PTFE	PTFE	PTFE
SS 1.4301 V2A	SS 1.4301 V2A	SS 1.4301 V2A	SS 1.4301 V2A	SS 1.4301 V2A
none	built-in* integriert*	built-in* integriert*	none	none
PTFE	silicone Silikon	PTFE	silicone Silikon	PTFE
IHT30-S10BPO55-N2T	IHT30-N15BPO55-A2S	IHT30-N15BPO55-A2T	IHT30-N15BPO55-N2S	IHT30-N15BPO55-N2T
IHT30-S10BPC55-N2T	IHT30-N15BPC55-A2S	IHT30-N15BPC55-A2T	IHT30-N15BPC55-N2S	IHT30-N15BPC55-N2T
IHT30-S10BNO55-N2T	IHT30-N15BNO55-A2S	IHT30-N15BNO55-A2T	IHT30-N15BNO55-N2S	IHT30-N15BNO55-N2T
IHT30-S10BNC55-N2T	IHT30-N15BNC55-A2S	IHT30-N15BNC55-A2T	IHT30-N15BNC55-N2S	IHT30-N15BNC55-N2T

Inductive Proximity Switch
3-Wire DC
High Temperature Resistant

Induktive Näherungsschalter
3-Leiter DC Hitzebeständig

flush
bündig
M18×1 | 5 mm



180 °C · 357 °F

flush
bündig
M18×1 | 5 mm

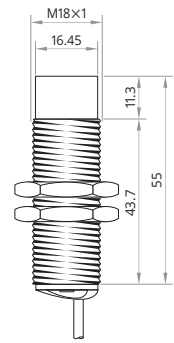
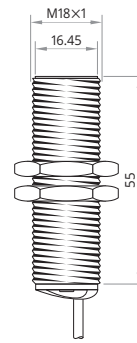
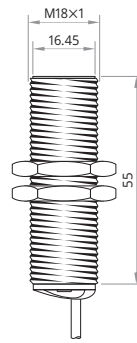


180 °C · 357 °F

non-flush
nicht bündig
M18×1 | 8 mm



180 °C · 357 °F



Sensing distance S_n	Schaltabstand S_n	5 mm	5 mm	8 mm
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	150 mA	150 mA	150 mA
Short circuit protection	Kurzschlusschutz	built-in integriert	built-in integriert	built-in integriert
Voltage drop	Spannungsabfall	<2V @ 150 mA	<2V @ 150 mA	<2V @ 150 mA
Switching frequency	Schaltfrequenz	500 Hz	500 Hz	500 Hz
Reduction factors	Reduktionsfaktoren	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
Operating temperature	Betriebstemperatur	-20...+180 °C	-20...+180 °C	-20...+180 °C
Protection class	Schutzklasse	IP67	IP67	IP67
Sensing face material	Sensorflächenwerkstoff	PTFE	PTFE	PTFE
Housing material	Gehäusewerkstoff	SS 1.4301 V2A	SS 1.4301 V2A	SS 1.4301 V2A
Switching indicator	Schaltanzeige	on request auf Anfrage	on request auf Anfrage	on request auf Anfrage
Connection	Anschluss	silicone Silikon	PTFE	silicone Silikon
Article code PNP, NO	↘	IHT18-S5CPO55-N2S	IHT18-S5CPO55-N2T	IHT18-N8CPO55-N2S
Article code PNP, NC	↗	IHT18-S5CPC55-N2S	IHT18-S5CPC55-N2T	IHT18-N8CPC55-N2S
Article code NPN, NO	↘	IHT18-S5CNO55-N2S	IHT18-S5CNO55-N2T	IHT18-N8CNO55-N2S
Article code NPN, NC	↗	IHT18-S5CNC55-N2S	IHT18-S5CNC55-N2T	IHT18-N8CNC55-N2S

Mind O≠0, I≠I=1, S≠5, B≠8.

O≠0, I≠I=1, S≠5, B≠8 beachten.

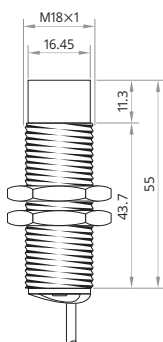
* Only for adjustment. LED can fail when operating at more than 120 °C (248 °F). The LED has no warranty.

* Nur zur Einstellung. Die LED kann bei Betrieb über 120 °C ausfallen. Die LED hat keine Garantie.

non-flush
nicht bündig
M18×1 | 8 mm



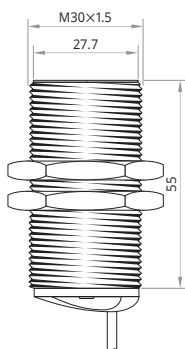
180 °C · 357 °F



flush
bündig
M30×1.5 | 10 mm



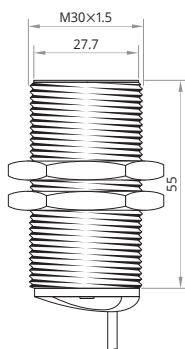
180 °C · 357 °F



flush
bündig
M30×1.5 | 10 mm



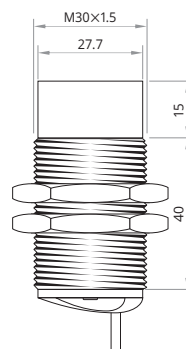
180 °C · 357 °F



non-flush
nicht bündig
M30×1.5 | 15 mm



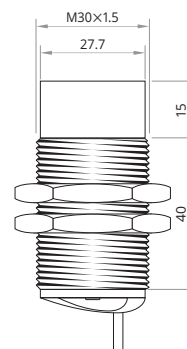
180 °C · 357 °F



non-flush
nicht bündig
M30×1.5 | 15 mm



180 °C · 357 °F



8 mm		10 mm		10 mm		15 mm		15 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
<8 mA		<8 mA		<8 mA		<8 mA		<8 mA	
150 mA		150 mA		150 mA		150 mA		150 mA	
built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert	built-in	integriert
<2V @ 150 mA		<2V @ 150 mA		<2V @ 150 mA		<2V @ 150 mA		<2V @ 150 mA	
500 Hz		200 Hz		200 Hz		200 Hz		200 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	
-20...+180 °C		-20...+180 °C		-20...+180 °C		-20...+180 °C		-20...+180 °C	
IP67		IP67		IP67		IP67		IP67	
PTFE		PTFE		PTFE		PTFE		PTFE	
SS 1.4301	V2A	SS 1.4301	V2A	SS 1.4301	V2A	SS 1.4301	V2A	SS 1.4301	V2A
on request	auf Anfrage	on request	auf Anfrage	on request	auf Anfrage	on request	auf Anfrage	on request	auf Anfrage
PTFE		silicone Silikon		PTFE		silicone Silikon		PTFE	
IHT18-N8CPO55-N2T		IHT30-S10CPO55-N2S		IHT30-S10CPO55-N2T		IHT30-N15CPO55-N2S		IHT30-N15CPO55-N2T	
IHT18-N8CPC55-N2T		IHT30-S10CPC55-N2S		IHT30-S10CPC55-N2T		IHT30-N15CPC55-N2S		IHT30-N15CPC55-N2T	
IHT18-N8CNO55-N2T		IHT30-S10CNO55-N2S		IHT30-S10CNO55-N2T		IHT30-N15CNO55-N2S		IHT30-N15CNO55-N2T	
IHT18-N8CNC55-N2T		IHT30-S10CNC55-N2S		IHT30-S10CNC55-N2T		IHT30-N15CNC55-N2S		IHT30-N15CNC55-N2T	