High-Temperature Capacitive Proximity Sensors up to +200 °C



Capacitive sensors detect metal and non-metal targets such as plastics, liquids and bulk materials. SEGMENsensor HT capacitive models are rated up to +200 °C (M30 split type T200; other models up to +180 °C), with low-temperature versions to -40 °C.

Max. temperature **+200 °C (T200)** Low-temp version **-40 °C**

Sensing distance **up to 30 mm, adj.** Housings **M8 – M30**

Key facts

- Temperature ratings are -25 to +120 / +150 / +180 °C (T120 / T150 / T180), -30 to +70 °C (L30) and -40 to +70 °C (L40); the M30 split type is rated up to +200 °C (T200).
- Adjustable sensing reaches 1–6 mm on M12, 2–15 mm on M18 and 2–30 mm on M30.
- Outputs are NPN or PNP with NO, NC or NO+NC contacts on 10–30 V DC.
- The sensing head is PTFE on a nickel-plated brass housing, rated IP67.
- The series has 130 part numbers, and qualification samples are 1–5 pcs.

Quick answer

A high-temperature capacitive proximity sensor detects metal and non-metal targets in hot environments. SEGMENsensor HT capacitive models are rated to +120 °C, +150 °C or +180 °C, and up to +200 °C for the M30 split type (T200), with low-temperature versions to -30 °C and -40 °C. M12 to M30 models have an adjustable sensing distance of up to 30 mm.

Technical data, HT capacitive series

Operating temperature	-25 … +120 / +150 / +180 °C (T120 / T150 / T180); -30 … +70 °C (L30); -40 … +70 °C (L40); +200 °C max. (T200, split type)
Sensing distance	M8: 1–2 mm fixed; M12: 1–3 / 1–6 mm; M18: 2–8 / 2–15 mm; M30: 2–20 / 2–30 mm (adjustable); M30 split type: 15 mm
Housings	M8, M12, M18, M30; flush and non-flush
Supply voltage	10–30 VDC
Output	NPN or PNP; NO, NC or NO+NC
Max. load current	80–200 mA by model
No-load current	< 10 mA
Voltage drop	< 2 V
Switching frequency	80–100 Hz
Response time	1.5 ms
Repeatability	< 5 % Sr
Protection	IP67
Overload protection	150 mA
Housing / sensing head	Nickel-plated brass / PTFE

Cable	2 m PTFE or silicone (T models); 2 m oil-resistant PUR (L models)
Approvals	CE, RoHS

Standards: IEC 60947-5-2 (proximity switches) • IEC 60529 IP ratings

HT capacitive vs. a standard capacitive sensor

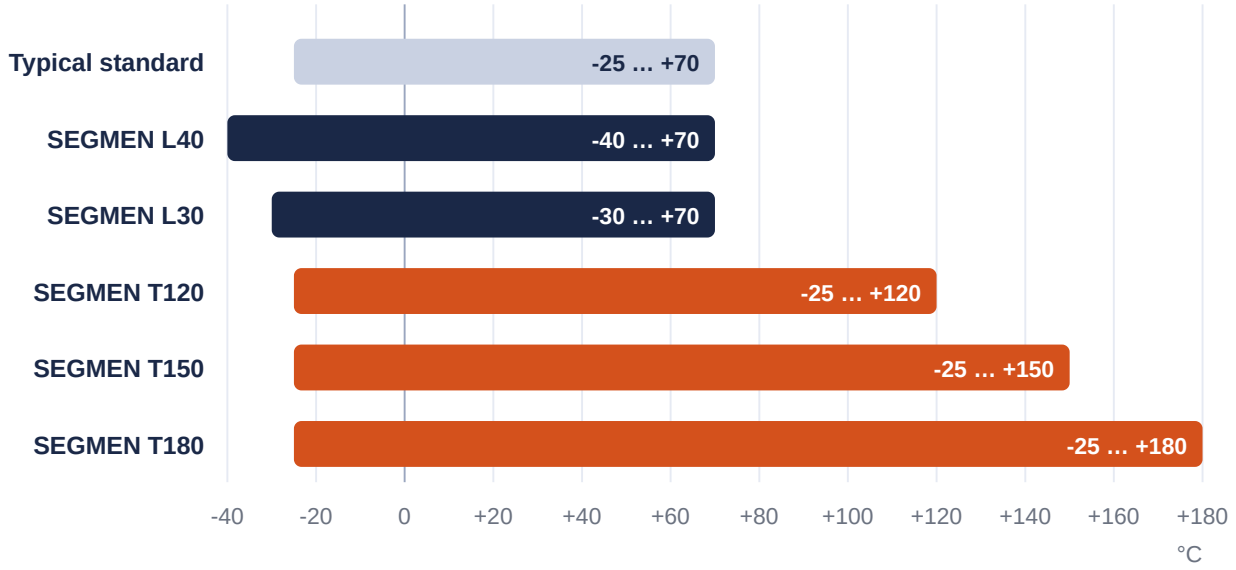
Feature	Standard capacitive	SEGMENsensor HT
Max. operating temperature	Typically +70 °C	**Up to +200 °C (T200)**
Low-temperature option	Typically -25 °C	**-30 °C or -40 °C**
Sensing head	Plastic	**PTFE**
Cable	PVC	**PTFE, silicone or PUR**

“Standard” describes a typical general-purpose sensor, not a specific product.

Samples, MOQ and OEM

MOQ & lead time
OEM volume supply. Sample and production lead times are confirmed with your quotation.

OEM / private label
Contact us about OEM and private-label options.



Pick the rating from your highest process temperature

1. Find the highest ambient temperature at the sensor, then choose T120, T150 or T180. For cold areas, choose L30 or L40.
2. Choose the housing. M12 to M30 models have an adjustable sensing distance, so you can set it for your target material.
3. Choose NPN or PNP output and normally open, normally closed or both.

Metal and non-metal targets | Hot zones to +200 °C | Cold zones to -40 °C

Reading the part number

SGC-HT30U-A300NA-C2-T180

SGC	SEGMENsensor capacitive	**HT**	High/low-temperature series

30 · U M30 housing • non-flush (S = flush)

N · A NPN • normally open (B = NC, C = NO+NC, P = PNP)

A300 Adjustable, up to 30 mm

C2 · T180 2 m cable • rated to +180 °C (T120, T150, T200, L30, L40)

All part numbers

Part number	Housing	Mounting	Sensing distance	Output	Supply	Temperature	Frequency
SGC-HT08S-010NA-C2-L30	M8	Flush	1 mm	NPN NO	10–30 VDC	-30 … +70 °C	100 Hz
SGC-HT08S-010NA-C2-L40	M8	Flush	1 mm	NPN NO	10–30 VDC	-40 … +70 °C	100 Hz
SGC-HT08S-010NA-C2-T120	M8	Flush	1 mm	NPN NO	10–30 VDC	-25 … +120 °C	100 Hz
SGC-HT08S-010NB-C2-L40	M8	Flush	1 mm	NPN NC	10–30 VDC	-40 … +70 °C	100 Hz
SGC-HT08S-010NB-C2-T120	M8	Flush	1 mm	NPN NC	10–30 VDC	-25 … +120 °C	100 Hz
SGC-HT08S-010PA-C2-L30	M8	Flush	1 mm	PNP NO	10–30 VDC	-30 … +70 °C	100 Hz
SGC-HT08S-010PA-C2-L40	M8	Flush	1 mm	PNP NO	10–30 VDC	-40 … +70 °C	100 Hz
SGC-HT08S-010PA-C2-T120	M8	Flush	1 mm	PNP NO	10–30 VDC	-25 … +120 °C	100 Hz
SGC-HT08S-010PB-C2-L40	M8	Flush	1 mm	PNP NC	10–30 VDC	-40 … +70 °C	100 Hz
SGC-HT08S-010PB-C2-T120	M8	Flush	1 mm	PNP NC	10–30 VDC	-25 … +120 °C	100 Hz
SGC-HT08U-020NA-C2-L30	M8	Non-flush	2 mm	NPN NO	10–30 VDC	-30 … +70 °C	—
SGC-HT08U-020NB-C2-L30	M8	Non-flush	2 mm	NPN NC	10–30 VDC	-30 … +70 °C	—
SGC-HT08U-020PA-C2-L30	M8	Non-flush	2 mm	PNP NO	10–30 VDC	-30 … +70 °C	—
SGC-HT08U-020PB-C2-L30	M8	Non-flush	2 mm	PNP NC	10–30 VDC	-30 … +70 °C	—
SGC-HT08U-020NA-C2-L40	M8	Non-flush	2 mm	NPN NO	10–30 VDC	-40 … +70 °C	100 Hz
SGC-HT08U-020NA-C2-T120	M8	Non-flush	2 mm	NPN NO	10–30 VDC	-25 … +120 °C	100 Hz
SGC-HT08U-020NB-C2-L40	M8	Non-flush	2 mm	NPN NC	10–30 VDC	-40 … +70 °C	100 Hz
SGC-HT08U-020NB-C2-T120	M8	Non-flush	2 mm	NPN NC	10–30 VDC	-25 … +120 °C	100 Hz
SGC-HT08U-020PA-C2-T120	M8	Non-flush	2 mm	PNP NO	10–30 VDC	-25 … +120 °C	100 Hz
SGC-HT08U-020PB-C2-L40	M8	Non-flush	2 mm	PNP NC	10–30 VDC	-40 … +70 °C	100 Hz
SGC-HT08U-020PB-C2-T120	M8	Non-flush	2 mm	PNP NC	10–30 VDC	-25 … +120 °C	100 Hz
SGC-HT12S-A030NA-C2-L40	M12	Flush	1-3 mm (adj.)	NPN NO	10–30 VDC	-40 … +70 °C	100 Hz
SGC-HT12S-A030NA-C2-T120	M12	Flush	1-3 mm (adj.)	NPN NO	10–30 VDC	-25 … +120 °C	100 Hz
SGC-HT12S-A030NA-C2-T150	M12	Flush	1-3 mm (adj.)	NPN NO	10–30 VDC	-25 … +150 °C	100 Hz
SGC-HT12S-A030NB-C2-L40	M12	Flush	1-3 mm (adj.)	NPN NC	10–30 VDC	-40 … +70 °C	100 Hz
SGC-HT12S-A030NB-C2-T120	M12	Flush	1-3 mm (adj.)	NPN NC	10–30 VDC	-25 … +120 °C	100 Hz
SGC-HT12S-A030NB-C2-T150	M12	Flush	1-3 mm (adj.)	NPN NC	10–30 VDC	-25 … +150 °C	100 Hz
SGC-HT12S-A030PA-C2-L30	M12	Flush	1-3 mm (adj.)	PNP NO	10–30 VDC	-30 … +70 °C	100 Hz
SGC-HT12S-A030PA-C2-L40	M12	Flush	1-3 mm (adj.)	PNP NO	10–30 VDC	-40 … +70 °C	100 Hz
SGC-HT12S-A030PA-C2-T120	M12	Flush	1-3 mm (adj.)	PNP NO	10–30 VDC	-25 … +120 °C	100 Hz
SGC-HT12S-A030PA-C2-T150	M12	Flush	1-3 mm (adj.)	PNP NO	10–30 VDC	-25 … +150 °C	100 Hz
SGC-HT12S-A030PB-C2-L30	M12	Flush	1-3 mm (adj.)	PNP NC	10–30 VDC	-30 … +70 °C	100 Hz
SGC-HT12S-A030PB-C2-L40	M12	Flush	1-3 mm (adj.)	PNP NC	10–30 VDC	-40 … +70 °C	100 Hz
SGC-HT12S-A030PB-C2-T120	M12	Flush	1-3 mm (adj.)	PNP NC	10–30 VDC	-25 … +120 °C	100 Hz
SGC-HT12S-A030PB-C2-T150	M12	Flush	1-3 mm (adj.)	PNP NC	10–30 VDC	-25 … +150 °C	100 Hz
SGC-HT12U-A060NA-C2-L30	M12	Non-flush	1-6 mm (adj.)	NPN NO	10–30 VDC	-30 … +70 °C	100 Hz
SGC-HT12U-A060NA-C2-L40	M12	Non-flush	1-6 mm (adj.)	NPN NO	10–30 VDC	-40 … +70 °C	100 Hz
SGC-HT12U-A060NA-C2-T120	M12	Non-flush	1-6 mm (adj.)	NPN NO	10–30 VDC	-25 … +120 °C	100 Hz

Part number	Housing	Mounting	Sensing distance	Output	Supply	Temperature	Frequency
SGC-HT12U-A060NA-C2-T150	M12	Non-flush	1-6 mm (adj.)	NPN NO	10–30 VDC	-25 … +150 °C	100 Hz
SGC-HT12U-A060NB-C2-L30	M12	Non-flush	1-6 mm (adj.)	NPN NC	10–30 VDC	-30 … +70 °C	100 Hz
SGC-HT12U-A060NB-C2-L40	M12	Non-flush	1-6 mm (adj.)	NPN NC	10–30 VDC	-40 … +70 °C	100 Hz
SGC-HT12U-A060NB-C2-T120	M12	Non-flush	1-6 mm (adj.)	NPN NC	10–30 VDC	-25 … +120 °C	100 Hz
SGC-HT12U-A060NB-C2-T150	M12	Non-flush	1-6 mm (adj.)	NPN NC	10–30 VDC	-25 … +150 °C	100 Hz
SGC-HT12U-A060PA-C2-L30	M12	Non-flush	1-6 mm (adj.)	PNP NO	10–30 VDC	-30 … +70 °C	100 Hz
SGC-HT12U-A060PA-C2-L40	M12	Non-flush	1-6 mm (adj.)	PNP NO	10–30 VDC	-40 … +70 °C	100 Hz
SGC-HT12U-A060PA-C2-T120	M12	Non-flush	1-6 mm (adj.)	PNP NO	10–30 VDC	-25 … +120 °C	100 Hz
SGC-HT12U-A060PA-C2-T150	M12	Non-flush	1-6 mm (adj.)	PNP NO	10–30 VDC	-25 … +150 °C	100 Hz
SGC-HT12U-A060PB-C2-L30	M12	Non-flush	1-6 mm (adj.)	PNP NC	10–30 VDC	-30 … +70 °C	100 Hz
SGC-HT12U-A060PB-C2-L40	M12	Non-flush	1-6 mm (adj.)	PNP NC	10–30 VDC	-40 … +70 °C	100 Hz
SGC-HT12U-A060PB-C2-T120	M12	Non-flush	1-6 mm (adj.)	PNP NC	10–30 VDC	-25 … +120 °C	100 Hz
SGC-HT12U-A060PB-C2-T150	M12	Non-flush	1-6 mm (adj.)	PNP NC	10–30 VDC	-25 … +150 °C	100 Hz
SGC-HT18S-A080NA-C2-L30	M18	Flush	2-8 mm (adj.)	NPN NO	10–30 VDC	-30 … +70 °C	100 Hz
SGC-HT18S-A080NA-C2-T120	M18	Flush	2-8 mm (adj.)	NPN NO	10–30 VDC	-25 … +120 °C	100 Hz
SGC-HT18S-A080NA-C2-T150	M18	Flush	2-8 mm (adj.)	NPN NO	10–30 VDC	-25 … +150 °C	100 Hz
SGC-HT18S-A080NA-C2-T180	M18	Flush	2-8 mm (adj.)	NPN NO	10–30 VDC	-25 … +180 °C	80 Hz
SGC-HT18S-A080NB-C2-L30	M18	Flush	2-8 mm (adj.)	NPN NC	10–30 VDC	-30 … +70 °C	100 Hz
SGC-HT18S-A080NB-C2-T120	M18	Flush	2-8 mm (adj.)	NPN NC	10–30 VDC	-25 … +120 °C	100 Hz
SGC-HT18S-A080NB-C2-T150	M18	Flush	2-8 mm (adj.)	NPN NC	10–30 VDC	-25 … +150 °C	100 Hz
SGC-HT18S-A080NB-C2-T180	M18	Flush	2-8 mm (adj.)	NPN NC	10–30 VDC	-25 … +180 °C	80 Hz
SGC-HT18S-A080NC-C2-T120	M18	Flush	2-8 mm (adj.)	NPN NO+NC	10–30 VDC	-25 … +120 °C	100 Hz
SGC-HT18S-A080NC-C2-T150	M18	Flush	2-8 mm (adj.)	NPN NO+NC	10–30 VDC	-25 … +150 °C	100 Hz
SGC-HT18S-A080NC-C2-T180	M18	Flush	2-8 mm (adj.)	NPN NO+NC	10–30 VDC	-25 … +180 °C	80 Hz
SGC-HT18S-A080PA-C2-T120	M18	Flush	2-8 mm (adj.)	PNP NO	10–30 VDC	-25 … +120 °C	100 Hz
SGC-HT18S-A080PA-C2-T150	M18	Flush	2-8 mm (adj.)	PNP NO	10–30 VDC	-25 … +150 °C	100 Hz
SGC-HT18S-A080PA-C2-T180	M18	Flush	2-8 mm (adj.)	PNP NO	10–30 VDC	-25 … +180 °C	80 Hz
SGC-HT18S-A080PB-C2-T120	M18	Flush	2-8 mm (adj.)	PNP NC	10–30 VDC	-25 … +120 °C	100 Hz
SGC-HT18S-A080PB-C2-T150	M18	Flush	2-8 mm (adj.)	PNP NC	10–30 VDC	-25 … +150 °C	100 Hz
SGC-HT18S-A080PB-C2-T180	M18	Flush	2-8 mm (adj.)	PNP NC	10–30 VDC	-25 … +180 °C	80 Hz
SGC-HT18S-A080PC-C2-T120	M18	Flush	2-8 mm (adj.)	PNP NO+NC	10–30 VDC	-25 … +120 °C	100 Hz
SGC-HT18S-A080PC-C2-T150	M18	Flush	2-8 mm (adj.)	PNP NO+NC	10–30 VDC	-25 … +150 °C	100 Hz
SGC-HT18S-A080PC-C2-T180	M18	Flush	2-8 mm (adj.)	PNP NO+NC	10–30 VDC	-25 … +180 °C	80 Hz
SGC-HT18U-A150NA-C2-L30	M18	Non-flush	2-15 mm (adj.)	NPN NO	10–30 VDC	-30 … +70 °C	100 Hz
SGC-HT18U-A150NA-C2-T120	M18	Non-flush	2-15 mm (adj.)	NPN NO	10–30 VDC	-25 … +120 °C	100 Hz
SGC-HT18U-A150NA-C2-T150	M18	Non-flush	2-15 mm (adj.)	NPN NO	10–30 VDC	-25 … +150 °C	100 Hz
SGC-HT18U-A150NA-C2-T180	M18	Non-flush	2-15 mm (adj.)	NPN NO	10–30 VDC	-25 … +180 °C	100 Hz
SGC-HT18U-A150NB-C2-L30	M18	Non-flush	2-15 mm (adj.)	NPN NC	10–30 VDC	-30 … +70 °C	100 Hz
SGC-HT18U-A150NB-C2-T120	M18	Non-flush	2-15 mm (adj.)	NPN NC	10–30 VDC	-25 … +120 °C	100 Hz
SGC-HT18U-A150NB-C2-T150	M18	Non-flush	2-15 mm (adj.)	NPN NC	10–30 VDC	-25 … +150 °C	100 Hz
SGC-HT18U-A150NB-C2-T180	M18	Non-flush	2-15 mm (adj.)	NPN NC	10–30 VDC	-25 … +180 °C	100 Hz
SGC-HT18U-A150NC-C2-T120	M18	Non-flush	2-15 mm (adj.)	NPN NO+NC	10–30 VDC	-25 … +120 °C	100 Hz

Part number	Housing	Mounting	Sensing distance	Output	Supply	Temperature	Frequency
SGC-HT18U-A150NC-C2-T150	M18	Non-flush	2-15 mm (adj.)	NPN NO+NC	10–30 VDC	-25 … +150 °C	100 Hz
SGC-HT18U-A150NC-C2-T180	M18	Non-flush	2-15 mm (adj.)	NPN NO+NC	10–30 VDC	-25 … +180 °C	100 Hz
SGC-HT18U-A150PA-C2-T120	M18	Non-flush	2-15 mm (adj.)	PNP NO	10–30 VDC	-25 … +120 °C	100 Hz
SGC-HT18U-A150PA-C2-T150	M18	Non-flush	2-15 mm (adj.)	PNP NO	10–30 VDC	-25 … +150 °C	100 Hz
SGC-HT18U-A150PA-C2-T180	M18	Non-flush	2-15 mm (adj.)	PNP NO	10–30 VDC	-25 … +180 °C	100 Hz
SGC-HT18U-A150PB-C2-T120	M18	Non-flush	2-15 mm (adj.)	PNP NC	10–30 VDC	-25 … +120 °C	100 Hz
SGC-HT18U-A150PB-C2-T150	M18	Non-flush	2-15 mm (adj.)	PNP NC	10–30 VDC	-25 … +150 °C	100 Hz
SGC-HT18U-A150PB-C2-T180	M18	Non-flush	2-15 mm (adj.)	PNP NC	10–30 VDC	-25 … +180 °C	100 Hz
SGC-HT18U-A150PC-C2-T120	M18	Non-flush	2-15 mm (adj.)	PNP NO+NC	10–30 VDC	-25 … +120 °C	100 Hz
SGC-HT18U-A150PC-C2-T150	M18	Non-flush	2-15 mm (adj.)	PNP NO+NC	10–30 VDC	-25 … +150 °C	100 Hz
SGC-HT18U-A150PC-C2-T180	M18	Non-flush	2-15 mm (adj.)	PNP NO+NC	10–30 VDC	-25 … +180 °C	100 Hz
SGC-HT30S-A200NA-C2-L30	M30	Flush	2-20 mm (adj.)	NPN NO	10–30 VDC	-30 … +70 °C	100 Hz
SGC-HT30S-A200NA-C2-T120	M30	Flush	2-20 mm (adj.)	NPN NO	10–30 VDC	-25 … +120 °C	100 Hz
SGC-HT30S-A200NA-C2-T150	M30	Flush	2-20 mm (adj.)	NPN NO	10–30 VDC	-25 … +150 °C	100 Hz
SGC-HT30S-A200NA-C2-T180	M30	Flush	2-20 mm (adj.)	NPN NO	10–30 VDC	-25 … +180 °C	100 Hz
SGC-HT30S-A200NB-C2-L30	M30	Flush	2-20 mm (adj.)	NPN NC	10–30 VDC	-30 … +70 °C	100 Hz
SGC-HT30S-A200NB-C2-T120	M30	Flush	2-20 mm (adj.)	NPN NC	10–30 VDC	-25 … +120 °C	100 Hz
SGC-HT30S-A200NB-C2-T150	M30	Flush	2-20 mm (adj.)	NPN NC	10–30 VDC	-25 … +150 °C	100 Hz
SGC-HT30S-A200NB-C2-T180	M30	Flush	2-20 mm (adj.)	NPN NC	10–30 VDC	-25 … +180 °C	100 Hz
SGC-HT30S-A200NC-C2-T120	M30	Flush	2-20 mm (adj.)	NPN NO+NC	10–30 VDC	-25 … +120 °C	100 Hz
SGC-HT30S-A200NC-C2-T150	M30	Flush	2-20 mm (adj.)	NPN NO+NC	10–30 VDC	-25 … +150 °C	100 Hz
SGC-HT30S-A200NC-C2-T180	M30	Flush	2-20 mm (adj.)	NPN NO+NC	10–30 VDC	-25 … +180 °C	100 Hz
SGC-HT30S-A200PA-C2-T120	M30	Flush	2-20 mm (adj.)	PNP NO	10–30 VDC	-25 … +120 °C	100 Hz
SGC-HT30S-A200PA-C2-T150	M30	Flush	2-20 mm (adj.)	PNP NO	10–30 VDC	-25 … +150 °C	100 Hz
SGC-HT30S-A200PA-C2-T180	M30	Flush	2-20 mm (adj.)	PNP NO	10–30 VDC	-25 … +180 °C	100 Hz
SGC-HT30S-A200PB-C2-T120	M30	Flush	2-20 mm (adj.)	PNP NC	10–30 VDC	-25 … +120 °C	100 Hz
SGC-HT30S-A200PB-C2-T150	M30	Flush	2-20 mm (adj.)	PNP NC	10–30 VDC	-25 … +150 °C	100 Hz
SGC-HT30S-A200PB-C2-T180	M30	Flush	2-20 mm (adj.)	PNP NC	10–30 VDC	-25 … +180 °C	100 Hz
SGC-HT30S-A200PC-C2-T120	M30	Flush	2-20 mm (adj.)	PNP NO+NC	10–30 VDC	-25 … +120 °C	100 Hz
SGC-HT30S-A200PC-C2-T150	M30	Flush	2-20 mm (adj.)	PNP NO+NC	10–30 VDC	-25 … +150 °C	100 Hz
SGC-HT30S-A200PC-C2-T180	M30	Flush	2-20 mm (adj.)	PNP NO+NC	10–30 VDC	-25 … +180 °C	100 Hz
SGC-HT30U-A300NA-C2-L30	M30	Non-flush	2-30 mm (adj.)	NPN NO	10–30 VDC	-30 … +70 °C	100 Hz
SGC-HT30U-A300NA-C2-T120	M30	Non-flush	2-30 mm (adj.)	NPN NO	10–30 VDC	-25 … +120 °C	100 Hz
SGC-HT30U-A300NA-C2-T150	M30	Non-flush	2-30 mm (adj.)	NPN NO	10–30 VDC	-25 … +150 °C	100 Hz
SGC-HT30U-A300NA-C2-T180	M30	Non-flush	2-30 mm (adj.)	NPN NO	10–30 VDC	-25 … +180 °C	100 Hz
SGC-HT30U-A300NB-C2-L30	M30	Non-flush	2-30 mm (adj.)	NPN NC	10–30 VDC	-30 … +70 °C	100 Hz
SGC-HT30U-A300NB-C2-T120	M30	Non-flush	2-30 mm (adj.)	NPN NC	10–30 VDC	-25 … +120 °C	100 Hz
SGC-HT30U-A300NB-C2-T180	M30	Non-flush	2-30 mm (adj.)	NPN NC	10–30 VDC	-25 … +180 °C	100 Hz
SGC-HT30U-A300NC-C2-T120	M30	Non-flush	2-30 mm (adj.)	NPN NO+NC	10–30 VDC	-25 … +120 °C	100 Hz
SGC-HT30U-A300NC-C2-T150	M30	Non-flush	2-30 mm (adj.)	NPN NO+NC	10–30 VDC	-25 … +150 °C	100 Hz
SGC-HT30U-A300NC-C2-T180	M30	Non-flush	2-30 mm (adj.)	NPN NO+NC	10–30 VDC	-25 … +180 °C	100 Hz
SGC-HT30U-A300PA-C2-T120	M30	Non-flush	2-30 mm (adj.)	PNP NO	10–30 VDC	-25 … +120 °C	100 Hz

Part number	Housing	Mounting	Sensing distance	Output	Supply	Temperature	Frequency
SGC-HT30U-A300PA-C2-T150	M30	Non-flush	2-30 mm (adj.)	PNP NO	10–30 VDC	-25 … +150 °C	100 Hz
SGC-HT30U-A300PA-C2-T180	M30	Non-flush	2-30 mm (adj.)	PNP NO	10–30 VDC	-25 … +180 °C	100 Hz
SGC-HT30U-A300PB-C2-T120	M30	Non-flush	2-30 mm (adj.)	PNP NC	10–30 VDC	-25 … +120 °C	100 Hz
SGC-HT30U-A300PB-C2-T180	M30	Non-flush	2-30 mm (adj.)	PNP NC	10–30 VDC	-25 … +180 °C	100 Hz
SGC-HT30U-A300PC-C2-T120	M30	Non-flush	2-30 mm (adj.)	PNP NO+NC	10–30 VDC	-25 … +120 °C	100 Hz
SGC-HT30U-A300PC-C2-T150	M30	Non-flush	2-30 mm (adj.)	PNP NO+NC	10–30 VDC	-25 … +150 °C	100 Hz
SGC-HT30U-A300PC-C2-T180	M30	Non-flush	2-30 mm (adj.)	PNP NO+NC	10–30 VDC	-25 … +180 °C	100 Hz
SGC-HT30U-150PB-SP-T200	M30	Non-flush	15 mm	PNP NC	10–30 VDC	+200 °C (max.)	—

Questions and answers

What can a capacitive proximity sensor detect?

Metal and non-metal targets, for example plastics, glass, liquids and bulk materials. This makes it useful for level and presence detection where an inductive sensor cannot see the target.

How hot can the HT capacitive sensors run?

Up to +200 °C with the M30 split type (T200, inline amplifier) and up to +180 °C ambient with T180 models. T120 and T150 models are rated to +120 °C and +150 °C.

Which models work in the cold?

L30 models operate from -30 °C and L40 models from -40 °C, both up to +70 °C.

How do I set the sensing distance?

M12 to M30 models have an adjustable sensing distance. Set it for your target material, since the switching point depends on the material.

Are the sensors CE and RoHS compliant?

Yes. The HT capacitive series carries CE and RoHS documentation. It is available on request with your quote.

Are NO+NC versions available?

Yes, M18 and M30 models are available with both a normally open and a normally closed output.

Segmen Industrial Development Co., Ltd.
www.segmensensor.com • info@segmensensor.com • +86 138 2870 4591
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