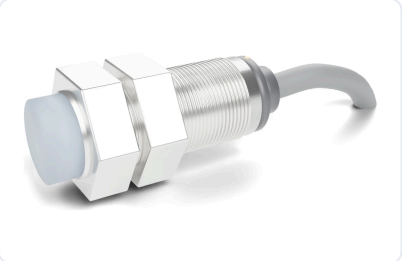
# M30 Non-Flush Inductive Proximity Sensors 15–50 mm



M30 non-flush inductive proximity sensors. Rated sensing distances 15 / 25 / 40 / 50 mm; NPN, PNP, DC 2-wire, AC 2-wire, AC/DC outputs; 2 m cable, M12 connector. 247 part numbers, each a fixed SEGMENsensor order code.

Sensing distance **15–50 mm**

Outputs **NPN** • **PNP** • **DC 2-wire** • **AC 2-wire** • **AC/DC**

Connection **2 m cable** • **M12 connector** Part numbers **247**

## Key facts

- Rated sensing distances: 15 / 25 / 40 / 50 mm.
- Supply: 10–30 V DC, 5–36 V DC, 10–55 V DC, 10–60 V DC, 20–250 V AC, 20–250 V AC/DC.
- Outputs: NPN, PNP, DC 2-wire, AC 2-wire, AC/DC. 49 NPN/PNP models have complementary NO + NC outputs.
- Connections: 2 m cable (128), M12 connector (119). Housing: Nickel-plated brass. 124 models are short or extra-short housing versions.
- Qualification samples of 1–5 pcs ship in 5–7 days; production is planned around your annual volume.

## Family data

| | |
|---|---|
| Housing | M30 thread, Nickel-plated brass |
| Mounting | Non-flush (non-embeddable) |
| Rated sensing distance | 15 / 25 / 40 / 50 mm |
| Outputs | NPN, PNP, DC 2-wire, AC 2-wire, AC/DC |
| Supply | 10–30 V DC, 5–36 V DC, 10–55 V DC, 10–60 V DC, 20–250 V AC, 20–250 V AC/DC |
| Connection | 2 m cable, M12 connector |
| Housing length | Standard, Short (K) |
| Other electrical data | Per part-number datasheet, sent with the quotation |

## Reading the part number

### SGI-GP30U-250PA-Q4-K-V36

**SGI** SEGMENsensor inductive

**30 · U** M30 non-flush (S = flush)

**P · A** PNP • NO (N = NPN, P = PNP, D = DC 2-wire, J = AC 2-wire, U = AC/DC; A = NO, B = NC, C = NO + NC)

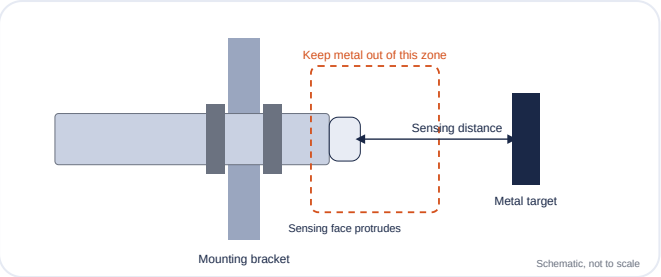
**K · V36** K = short housing; V36 = 5–36 V DC; V55 = 10–55 V DC; 3W = 3-wire cable (AC/DC); no voltage code = 10–30 V DC for NPN/PNP

**GP** General-purpose series

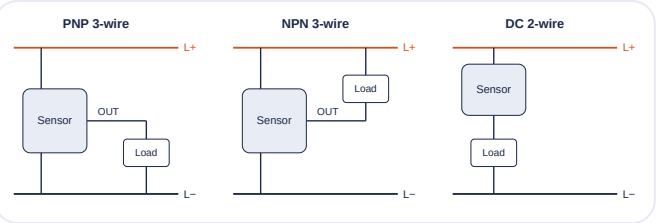
**250** Sensing distance in 0.1 mm: 25 mm

**Q4** C2 = 2 m cable, Q4 = M12 connector

## Mounting




## Wiring




## All part numbers

| Part number | Sensing distance | Output | Supply | Connection | Housing | Length |
|---|---|---|---|---|---|---|
| **SGI-GP30U-150NA-C2-K** | 15 mm | NPN NO | 10–30 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-150NA-C2** | 15 mm | NPN NO | 10–30 V DC | 2 m cable | Not listed | Standard |
| **SGI-GP30U-150NA-Q4-K** | 15 mm | NPN NO | 10–30 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-150NA-Q4** | 15 mm | NPN NO | 10–30 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-150NA-C2-K-V36** | 15 mm | NPN NO | 5–36 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-150NA-C2-V36** | 15 mm | NPN NO | 5–36 V DC | 2 m cable | Nickel-plated brass | Standard |
| **SGI-GP30U-150NA-Q4-K-V36** | 15 mm | NPN NO | 5–36 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-150NA-Q4-V36** | 15 mm | NPN NO | 5–36 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-150NA-C2-K-V55** | 15 mm | NPN NO | 10–55 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-150NA-C2-V55** | 15 mm | NPN NO | 10–55 V DC | 2 m cable | Nickel-plated brass | Standard |
| **SGI-GP30U-150NA-Q4-K-V55** | 15 mm | NPN NO | 10–55 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-150NA-Q4-V55** | 15 mm | NPN NO | 10–55 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-150NB-C2-K** | 15 mm | NPN NC | 10–30 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-150NB-C2** | 15 mm | NPN NC | 10–30 V DC | 2 m cable | Nickel-plated brass | Standard |
| **SGI-GP30U-150NB-Q4-K** | 15 mm | NPN NC | 10–30 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-150NB-Q4** | 15 mm | NPN NC | 10–30 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-150NB-C2-K-V36** | 15 mm | NPN NC | 5–36 V DC | 2 m cable | Nickel-plated brass | Short (K) |

| Part number | Sensing distance | Output | Supply | Connection | Housing | Length |
|---|---|---|---|---|---|---|
| **SGI-GP30U-150NB-C2-V36** | 15 mm | NPN NC | 5–36 V DC | 2 m cable | Nickel-plated brass | Standard |
| **SGI-GP30U-150NB-Q4-K-V36** | 15 mm | NPN NC | 5–36 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-150NB-Q4-V36** | 15 mm | NPN NC | 5–36 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-150NB-C2-K-V55** | 15 mm | NPN NC | 10–55 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-150NB-C2-V55** | 15 mm | NPN NC | 10–55 V DC | 2 m cable | Nickel-plated brass | Standard |
| **SGI-GP30U-150NB-Q4-K-V55** | 15 mm | NPN NC | 10–55 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-150NB-Q4-V55** | 15 mm | NPN NC | 10–55 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-150NC-C2-K** | 15 mm | NPN NO + NC | 10–30 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-150NC-C2** | 15 mm | NPN NO + NC | 10–30 V DC | 2 m cable | Nickel-plated brass | Standard |
| **SGI-GP30U-150NC-Q4-K** | 15 mm | NPN NO + NC | 10–30 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-150NC-Q4** | 15 mm | NPN NO + NC | 10–30 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-150NC-C2-K-V36** | 15 mm | NPN NO + NC | 5–36 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-150NC-C2-V36** | 15 mm | NPN NO + NC | 5–36 V DC | 2 m cable | Nickel-plated brass | Standard |
| **SGI-GP30U-150NC-Q4-K-V36** | 15 mm | NPN NO + NC | 5–36 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-150NC-Q4-V36** | 15 mm | NPN NO + NC | 5–36 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-150PA-C2-K** | 15 mm | PNP NO | 10–30 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-150PA-C2** | 15 mm | PNP NO | 10–30 V DC | 2 m cable | Not listed | Standard |
| **SGI-GP30U-150PA-Q4-K** | 15 mm | PNP NO | 10–30 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-150PA-Q4** | 15 mm | PNP NO | 10–30 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-150PA-C2-K-V36** | 15 mm | PNP NO | 5–36 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-150PA-C2-V36** | 15 mm | PNP NO | 5–36 V DC | 2 m cable | Nickel-plated brass | Standard |
| **SGI-GP30U-150PA-Q4-K-V36** | 15 mm | PNP NO | 5–36 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-150PA-Q4-V36** | 15 mm | PNP NO | 5–36 V DC | M12 connector | Nickel-plated brass | Standard |

| Part number | Sensing distance | Output | Supply | Connection | Housing | Length |
|---|---|---|---|---|---|---|
| **SGI-GP30U-150PA-C2-K-V55** | 15 mm | PNP NO | 10–55 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-150PA-C2-V55** | 15 mm | PNP NO | 10–55 V DC | 2 m cable | Nickel-plated brass | Standard |
| **SGI-GP30U-150PA-Q4-K-V55** | 15 mm | PNP NO | 10–55 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-150PA-Q4-V55** | 15 mm | PNP NO | 10–55 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-150PB-C2-K** | 15 mm | PNP NC | 10–30 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-150PB-C2** | 15 mm | PNP NC | 10–30 V DC | 2 m cable | Nickel-plated brass | Standard |
| **SGI-GP30U-150PB-Q4-K** | 15 mm | PNP NC | 10–30 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-150PB-Q4** | 15 mm | PNP NC | 10–30 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-150PB-C2-K-V36** | 15 mm | PNP NC | 5–36 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-150PB-C2-V36** | 15 mm | PNP NC | 5–36 V DC | 2 m cable | Nickel-plated brass | Standard |
| **SGI-GP30U-150PB-Q4-K-V36** | 15 mm | PNP NC | 5–36 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-150PB-Q4-V36** | 15 mm | PNP NC | 5–36 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-150PB-C2-K-V55** | 15 mm | PNP NC | 10–55 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-150PB-C2-V55** | 15 mm | PNP NC | 10–55 V DC | 2 m cable | Nickel-plated brass | Standard |
| **SGI-GP30U-150PB-Q4-K-V55** | 15 mm | PNP NC | 10–55 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-150PB-Q4-V55** | 15 mm | PNP NC | 10–55 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-150PC-C2-K** | 15 mm | PNP NO + NC | 10–30 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-150PC-C2** | 15 mm | PNP NO + NC | 10–30 V DC | 2 m cable | Nickel-plated brass | Standard |
| **SGI-GP30U-150PC-Q4-K** | 15 mm | PNP NO + NC | 10–30 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-150PC-Q4** | 15 mm | PNP NO + NC | 10–30 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-150PC-C2-K-V36** | 15 mm | PNP NO + NC | 5–36 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-150PC-C2-V36** | 15 mm | PNP NO + NC | 5–36 V DC | 2 m cable | Nickel-plated brass | Standard |
| **SGI-GP30U-150PC-Q4-K-V36** | 15 mm | PNP NO + NC | 5–36 V DC | M12 connector | Nickel-plated brass | Short (K) |

| Part number | Sensing distance | Output | Supply | Connection | Housing | Length |
|---|---|---|---|---|---|---|
| **SGI-GP30U-150PC-Q4-V36** | 15 mm | PNP NO + NC | 5–36 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-150DA-C2-K** | 15 mm | DC 2-wire NO | 10–60 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-150DA-C2** | 15 mm | DC 2-wire NO | 10–60 V DC | 2 m cable | Not listed | Standard |
| **SGI-GP30U-150DA-Q4-K** | 15 mm | DC 2-wire NO | 10–60 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-150DA-Q4** | 15 mm | DC 2-wire NO | 10–60 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-150DB-C2-K** | 15 mm | DC 2-wire NC | 10–60 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-150DB-C2** | 15 mm | DC 2-wire NC | 10–60 V DC | 2 m cable | Nickel-plated brass | Standard |
| **SGI-GP30U-150DB-Q4-K** | 15 mm | DC 2-wire NC | 10–60 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-150DB-Q4** | 15 mm | DC 2-wire NC | 10–60 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-150JA-C2-K** | 15 mm | AC 2-wire NO | 20–250 V AC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-150JB-C2-K** | 15 mm | AC 2-wire NC | 20–250 V AC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-150JC-C2-K** | 15 mm | AC 2-wire NO + NC | 20–250 V AC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-150UA-C2-K-3W** | 15 mm | AC/DC NO | 20–250 V AC/DC | 2 m cable (3-wire) | Nickel-plated brass | Short (K) |
| **SGI-GP30U-150UA-C2-3W** | 15 mm | AC/DC NO | 20–250 V AC/DC | 2 m cable (3-wire) | Nickel-plated brass | Standard |
| **SGI-GP30U-150UA-Q4** | 15 mm | AC/DC NO | 20–250 V AC/DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-150UB-C2-K-3W** | 15 mm | AC/DC NC | 20–250 V AC/DC | 2 m cable (3-wire) | Nickel-plated brass | Short (K) |
| **SGI-GP30U-150UB-C2-3W** | 15 mm | AC/DC NC | 20–250 V AC/DC | 2 m cable (3-wire) | Nickel-plated brass | Standard |
| **SGI-GP30U-150UB-Q4** | 15 mm | AC/DC NC | 20–250 V AC/DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-250NA-C2-K** | 25 mm | NPN NO | 10–30 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-250NA-C2** | 25 mm | NPN NO | 10–30 V DC | 2 m cable | Not listed | Standard |
| **SGI-GP30U-250NA-Q4-K** | 25 mm | NPN NO | 10–30 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-250NA-Q4** | 25 mm | NPN NO | 10–30 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-250NA-C2-K-V36** | 25 mm | NPN NO | 5–36 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-250NA-C2-V36** | 25 mm | NPN NO | 5–36 V DC | 2 m cable | Nickel-plated brass | Standard |

| Part number | Sensing distance | Output | Supply | Connection | Housing | Length |
|---|---|---|---|---|---|---|
| **SGI-GP30U-250NA-Q4-K-V36** | 25 mm | NPN NO | 5–36 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-250NA-Q4-V36** | 25 mm | NPN NO | 5–36 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-250NA-C2-K-V55** | 25 mm | NPN NO | 10–55 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-250NA-C2-V55** | 25 mm | NPN NO | 10–55 V DC | 2 m cable | Nickel-plated brass | Standard |
| **SGI-GP30U-250NA-Q4-K-V55** | 25 mm | NPN NO | 10–55 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-250NA-Q4-V55** | 25 mm | NPN NO | 10–55 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-250NB-C2-K** | 25 mm | NPN NC | 10–30 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-250NB-C2** | 25 mm | NPN NC | 10–30 V DC | 2 m cable | Nickel-plated brass | Standard |
| **SGI-GP30U-250NB-Q4-K** | 25 mm | NPN NC | 10–30 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-250NB-Q4** | 25 mm | NPN NC | 10–30 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-250NB-C2-K-V36** | 25 mm | NPN NC | 5–36 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-250NB-C2-V36** | 25 mm | NPN NC | 5–36 V DC | 2 m cable | Nickel-plated brass | Standard |
| **SGI-GP30U-250NB-Q4-K-V36** | 25 mm | NPN NC | 5–36 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-250NB-Q4-V36** | 25 mm | NPN NC | 5–36 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-250NB-C2-K-V55** | 25 mm | NPN NC | 10–55 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-250NB-C2-V55** | 25 mm | NPN NC | 10–55 V DC | 2 m cable | Nickel-plated brass | Standard |
| **SGI-GP30U-250NB-Q4-K-V55** | 25 mm | NPN NC | 10–55 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-250NB-Q4-V55** | 25 mm | NPN NC | 10–55 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-250NC-C2-K** | 25 mm | NPN NO + NC | 10–30 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-250NC-C2** | 25 mm | NPN NO + NC | 10–30 V DC | 2 m cable | Nickel-plated brass | Standard |
| **SGI-GP30U-250NC-Q4-K** | 25 mm | NPN NO + NC | 10–30 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-250NC-Q4** | 25 mm | NPN NO + NC | 10–30 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-250NC-C2-K-V36** | 25 mm | NPN NO + NC | 5–36 V DC | 2 m cable | Nickel-plated brass | Short (K) |

| Part number | Sensing distance | Output | Supply | Connection | Housing | Length |
|---|---|---|---|---|---|---|
| **SGI-GP30U-250NC-C2-V36** | 25 mm | NPN NO + NC | 5–36 V DC | 2 m cable | Nickel-plated brass | Standard |
| **SGI-GP30U-250NC-Q4-K-V36** | 25 mm | NPN NO + NC | 5–36 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-250NC-Q4-V36** | 25 mm | NPN NO + NC | 5–36 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-250PA-C2-K** | 25 mm | PNP NO | 10–30 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-250PA-C2** | 25 mm | PNP NO | 10–30 V DC | 2 m cable | Not listed | Standard |
| **SGI-GP30U-250PA-Q4-K** | 25 mm | PNP NO | 10–30 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-250PA-Q4** | 25 mm | PNP NO | 10–30 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-250PA-C2-K-V36** | 25 mm | PNP NO | 5–36 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-250PA-C2-V36** | 25 mm | PNP NO | 5–36 V DC | 2 m cable | Nickel-plated brass | Standard |
| **SGI-GP30U-250PA-Q4-K-V36** | 25 mm | PNP NO | 5–36 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-250PA-Q4-V36** | 25 mm | PNP NO | 5–36 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-250PA-C2-K-V55** | 25 mm | PNP NO | 10–55 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-250PA-C2-V55** | 25 mm | PNP NO | 10–55 V DC | 2 m cable | Nickel-plated brass | Standard |
| **SGI-GP30U-250PA-Q4-K-V55** | 25 mm | PNP NO | 10–55 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-250PA-Q4-V55** | 25 mm | PNP NO | 10–55 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-250PB-C2-K** | 25 mm | PNP NC | 10–30 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-250PB-C2** | 25 mm | PNP NC | 10–30 V DC | 2 m cable | Nickel-plated brass | Standard |
| **SGI-GP30U-250PB-Q4-K** | 25 mm | PNP NC | 10–30 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-250PB-Q4** | 25 mm | PNP NC | 10–30 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-250PB-C2-K-V36** | 25 mm | PNP NC | 5–36 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-250PB-C2-V36** | 25 mm | PNP NC | 5–36 V DC | 2 m cable | Nickel-plated brass | Standard |
| **SGI-GP30U-250PB-Q4-K-V36** | 25 mm | PNP NC | 5–36 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-250PB-Q4-V36** | 25 mm | PNP NC | 5–36 V DC | M12 connector | Nickel-plated brass | Standard |

| Part number | Sensing distance | Output | Supply | Connection | Housing | Length |
|---|---|---|---|---|---|---|
| **SGI-GP30U-250PB-C2-K-V55** | 25 mm | PNP NC | 10–55 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-250PB-C2-V55** | 25 mm | PNP NC | 10–55 V DC | 2 m cable | Nickel-plated brass | Standard |
| **SGI-GP30U-250PB-Q4-K-V55** | 25 mm | PNP NC | 10–55 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-250PB-Q4-V55** | 25 mm | PNP NC | 10–55 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-250PC-C2-K** | 25 mm | PNP NO + NC | 10–30 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-250PC-C2** | 25 mm | PNP NO + NC | 10–30 V DC | 2 m cable | Nickel-plated brass | Standard |
| **SGI-GP30U-250PC-Q4-K** | 25 mm | PNP NO + NC | 10–30 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-250PC-Q4** | 25 mm | PNP NO + NC | 10–30 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-250PC-C2-K-V36** | 25 mm | PNP NO + NC | 5–36 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-250PC-C2-V36** | 25 mm | PNP NO + NC | 5–36 V DC | 2 m cable | Nickel-plated brass | Standard |
| **SGI-GP30U-250PC-Q4-V36** | 25 mm | PNP NO + NC | 5–36 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-250DA-C2-K** | 25 mm | DC 2-wire NO | 10–60 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-250DA-C2** | 25 mm | DC 2-wire NO | 10–60 V DC | 2 m cable | Nickel-plated brass | Standard |
| **SGI-GP30U-250DA-Q4-K** | 25 mm | DC 2-wire NO | 10–60 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-250DA-Q4** | 25 mm | DC 2-wire NO | 10–60 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-250DB-C2-K** | 25 mm | DC 2-wire NC | 10–60 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-250DB-C2** | 25 mm | DC 2-wire NC | 10–60 V DC | 2 m cable | Nickel-plated brass | Standard |
| **SGI-GP30U-250DB-Q4-K** | 25 mm | DC 2-wire NC | 10–60 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-250DB-Q4** | 25 mm | DC 2-wire NC | 10–60 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-250JA-C2-K** | 25 mm | AC 2-wire NO | 20–250 V AC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-250JC-C2-K** | 25 mm | AC 2-wire NO + NC | 20–250 V AC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-250UA-C2-K-3W** | 25 mm | AC/DC NO | 20–250 V AC/DC | 2 m cable (3-wire) | Nickel-plated brass | Short (K) |
| **SGI-GP30U-250UA-Q4** | 25 mm | AC/DC NO | 20–250 V AC/DC | M12 connector | Nickel-plated brass | Standard |

| Part number | Sensing distance | Output | Supply | Connection | Housing | Length |
|---|---|---|---|---|---|---|
| **SGI-GP30U-250UB-C2-K-3W** | 25 mm | AC/DC NC | 20–250 V AC/DC | 2 m cable (3-wire) | Nickel-plated brass | Short (K) |
| **SGI-GP30U-250UB-C2-3W** | 25 mm | AC/DC NC | 20–250 V AC/DC | 2 m cable (3-wire) | Nickel-plated brass | Standard |
| **SGI-GP30U-250UB-Q4** | 25 mm | AC/DC NC | 20–250 V AC/DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-400NA-C2-K** | 40 mm | NPN NO | 10–30 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-400NA-C2** | 40 mm | NPN NO | 10–30 V DC | 2 m cable | Nickel-plated brass | Standard |
| **SGI-GP30U-400NA-Q4-K** | 40 mm | NPN NO | 10–30 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-400NA-Q4** | 40 mm | NPN NO | 10–30 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-400NA-C2-K-V36** | 40 mm | NPN NO | 5–36 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-400NA-C2-V36** | 40 mm | NPN NO | 5–36 V DC | 2 m cable | Nickel-plated brass | Standard |
| **SGI-GP30U-400NA-Q4-K-V36** | 40 mm | NPN NO | 5–36 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-400NA-Q4-V36** | 40 mm | NPN NO | 5–36 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-400NA-C2-K-V55** | 40 mm | NPN NO | 10–55 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-400NA-C2-V55** | 40 mm | NPN NO | 10–55 V DC | 2 m cable | Nickel-plated brass | Standard |
| **SGI-GP30U-400NA-Q4-K-V55** | 40 mm | NPN NO | 10–55 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-400NA-Q4-V55** | 40 mm | NPN NO | 10–55 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-400NB-C2-K** | 40 mm | NPN NC | 10–30 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-400NB-C2** | 40 mm | NPN NC | 10–30 V DC | 2 m cable | Nickel-plated brass | Standard |
| **SGI-GP30U-400NB-Q4-K** | 40 mm | NPN NC | 10–30 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-400NB-Q4** | 40 mm | NPN NC | 10–30 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-400NB-C2-K-V36** | 40 mm | NPN NC | 5–36 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-400NB-C2-V36** | 40 mm | NPN NC | 5–36 V DC | 2 m cable | Nickel-plated brass | Standard |
| **SGI-GP30U-400NB-Q4-K-V36** | 40 mm | NPN NC | 5–36 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-400NB-Q4-V36** | 40 mm | NPN NC | 5–36 V DC | M12 connector | Nickel-plated brass | Standard |

| Part number | Sensing distance | Output | Supply | Connection | Housing | Length |
|---|---|---|---|---|---|---|
| **SGI-GP30U-400NB-C2-K-V55** | 40 mm | NPN NC | 10–55 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-400NB-C2-V55** | 40 mm | NPN NC | 10–55 V DC | 2 m cable | Nickel-plated brass | Standard |
| **SGI-GP30U-400NB-Q4-K-V55** | 40 mm | NPN NC | 10–55 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-400NB-Q4-V55** | 40 mm | NPN NC | 10–55 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-400NC-C2-K** | 40 mm | NPN NO + NC | 10–30 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-400NC-C2** | 40 mm | NPN NO + NC | 10–30 V DC | 2 m cable | Nickel-plated brass | Standard |
| **SGI-GP30U-400NC-Q4-K** | 40 mm | NPN NO + NC | 10–30 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-400NC-Q4** | 40 mm | NPN NO + NC | 10–30 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-400NC-C2-K-V36** | 40 mm | NPN NO + NC | 5–36 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-400NC-C2-V36** | 40 mm | NPN NO + NC | 5–36 V DC | 2 m cable | Nickel-plated brass | Standard |
| **SGI-GP30U-400NC-Q4-K-V36** | 40 mm | NPN NO + NC | 5–36 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-400NC-Q4-V36** | 40 mm | NPN NO + NC | 5–36 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-400PA-C2-K** | 40 mm | PNP NO | 10–30 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-400PA-C2** | 40 mm | PNP NO | 10–30 V DC | 2 m cable | Nickel-plated brass | Standard |
| **SGI-GP30U-400PA-Q4-K** | 40 mm | PNP NO | 10–30 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-400PA-Q4** | 40 mm | PNP NO | 10–30 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-400PA-C2-K-V36** | 40 mm | PNP NO | 5–36 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-400PA-C2-V36** | 40 mm | PNP NO | 5–36 V DC | 2 m cable | Nickel-plated brass | Standard |
| **SGI-GP30U-400PA-Q4-K-V36** | 40 mm | PNP NO | 5–36 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-400PA-Q4-V36** | 40 mm | PNP NO | 5–36 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-400PA-C2-K-V55** | 40 mm | PNP NO | 10–55 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-400PA-C2-V55** | 40 mm | PNP NO | 10–55 V DC | 2 m cable | Nickel-plated brass | Standard |
| **SGI-GP30U-400PA-Q4-K-V55** | 40 mm | PNP NO | 10–55 V DC | M12 connector | Nickel-plated brass | Short (K) |

| Part number | Sensing distance | Output | Supply | Connection | Housing | Length |
|---|---|---|---|---|---|---|
| **SGI-GP30U-400PA-Q4-V55** | 40 mm | PNP NO | 10–55 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-400PB-C2-K** | 40 mm | PNP NC | 10–30 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-400PB-C2** | 40 mm | PNP NC | 10–30 V DC | 2 m cable | Nickel-plated brass | Standard |
| **SGI-GP30U-400PB-Q4-K** | 40 mm | PNP NC | 10–30 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-400PB-Q4** | 40 mm | PNP NC | 10–30 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-400PB-C2-K-V36** | 40 mm | PNP NC | 5–36 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-400PB-C2-V36** | 40 mm | PNP NC | 5–36 V DC | 2 m cable | Nickel-plated brass | Standard |
| **SGI-GP30U-400PB-Q4-K-V36** | 40 mm | PNP NC | 5–36 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-400PB-Q4-V36** | 40 mm | PNP NC | 5–36 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-400PB-C2-K-V55** | 40 mm | PNP NC | 10–55 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-400PB-C2-V55** | 40 mm | PNP NC | 10–55 V DC | 2 m cable | Nickel-plated brass | Standard |
| **SGI-GP30U-400PB-Q4-K-V55** | 40 mm | PNP NC | 10–55 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-400PB-Q4-V55** | 40 mm | PNP NC | 10–55 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-400PC-C2-K** | 40 mm | PNP NO + NC | 10–30 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-400PC-C2** | 40 mm | PNP NO + NC | 10–30 V DC | 2 m cable | Nickel-plated brass | Standard |
| **SGI-GP30U-400PC-Q4-K** | 40 mm | PNP NO + NC | 10–30 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-400PC-Q4** | 40 mm | PNP NO + NC | 10–30 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-400PC-C2-K-V36** | 40 mm | PNP NO + NC | 5–36 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-400PC-C2-V36** | 40 mm | PNP NO + NC | 5–36 V DC | 2 m cable | Nickel-plated brass | Standard |
| **SGI-GP30U-400PC-Q4-K-V36** | 40 mm | PNP NO + NC | 5–36 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-400PC-Q4-V36** | 40 mm | PNP NO + NC | 5–36 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-400DA-C2-K** | 40 mm | DC 2-wire NO | 10–60 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-400DA-C2** | 40 mm | DC 2-wire NO | 10–60 V DC | 2 m cable | Nickel-plated brass | Standard |

| Part number | Sensing distance | Output | Supply | Connection | Housing | Length |
|---|---|---|---|---|---|---|
| **SGI-GP30U-400DA-Q4-K** | 40 mm | DC 2-wire NO | 10–60 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-400DA-Q4** | 40 mm | DC 2-wire NO | 10–60 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-400DB-C2-K** | 40 mm | DC 2-wire NC | 10–60 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-400DB-C2** | 40 mm | DC 2-wire NC | 10–60 V DC | 2 m cable | Nickel-plated brass | Standard |
| **SGI-GP30U-400DB-Q4-K** | 40 mm | DC 2-wire NC | 10–60 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-400DB-Q4** | 40 mm | DC 2-wire NC | 10–60 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-500NA-C2-K** | 50 mm | NPN NO | 10–30 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-500NA-C2** | 50 mm | NPN NO | 10–30 V DC | 2 m cable | Nickel-plated brass | Standard |
| **SGI-GP30U-500NA-Q4-K** | 50 mm | NPN NO | 10–30 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-500NA-Q4** | 50 mm | NPN NO | 10–30 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-500NB-C2-K** | 50 mm | NPN NC | 10–30 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-500NB-C2** | 50 mm | NPN NC | 10–30 V DC | 2 m cable | Nickel-plated brass | Standard |
| **SGI-GP30U-500NB-Q4-K** | 50 mm | NPN NC | 10–30 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-500NB-Q4** | 50 mm | NPN NC | 10–30 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-500PA-C2-K** | 50 mm | PNP NO | 10–30 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-500PA-C2** | 50 mm | PNP NO | 10–30 V DC | 2 m cable | Nickel-plated brass | Standard |
| **SGI-GP30U-500PA-Q4-K** | 50 mm | PNP NO | 10–30 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-500PA-Q4** | 50 mm | PNP NO | 10–30 V DC | M12 connector | Nickel-plated brass | Standard |
| **SGI-GP30U-500PB-C2-K** | 50 mm | PNP NC | 10–30 V DC | 2 m cable | Nickel-plated brass | Short (K) |
| **SGI-GP30U-500PB-C2** | 50 mm | PNP NC | 10–30 V DC | 2 m cable | Nickel-plated brass | Standard |
| **SGI-GP30U-500PB-Q4-K** | 50 mm | PNP NC | 10–30 V DC | M12 connector | Nickel-plated brass | Short (K) |
| **SGI-GP30U-500PB-Q4** | 50 mm | PNP NC | 10–30 V DC | M12 connector | Nickel-plated brass | Standard |

## Questions and answers

**What does non-flush mean for an M30 sensor?**

A non-flush (unshielded) sensor has a protruding sensing face and needs a metal-free zone around it, but reaches further than a flush model of the same size.

**Which sensing distances are available?**

This family has 247 part numbers with these rated sensing distances: 15 / 25 / 40 / 50 mm.

**Which supply voltages are available?**

Supply ranges in this family: 10–30 V DC, 5–36 V DC, 10–55 V DC, 10–60 V DC, 20–250 V AC, 20–250 V AC/DC.

**Which connections are available?**

Connection options: 2 m cable (128 models), M12 connector (119 models).

**Can I order with the SEGMENsensor part number?**

Yes. Each part number is one fixed configuration. Click Quote in the model table or enter the part number in the form; the datasheet and lead time are confirmed with the quotation.

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