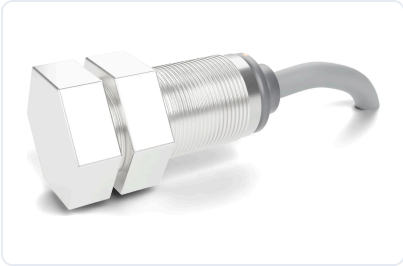


# M30 Flush Inductive Proximity Sensors 10–25 mm



M30 flush inductive proximity sensors. Rated sensing distances 10 / 16 / 22 / 25 mm; NPN, PNP, DC 2-wire, AC 2-wire, AC/DC outputs; 2 m cable, M12 connector. 246 part numbers, each a fixed SEGME**ns**ensor order code.

Sensing distance **10–25 mm**

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

Connection **2 m cable • M12 connector**    Part numbers **246**

## Key facts

- Rated sensing distances: 10 / 16 / 22 / 25 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. 50 NPN/PNP models have complementary NO + NC outputs.
- Connections: 2 m cable (129), M12 connector (117). Housing: Nickel-plated brass. 123 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

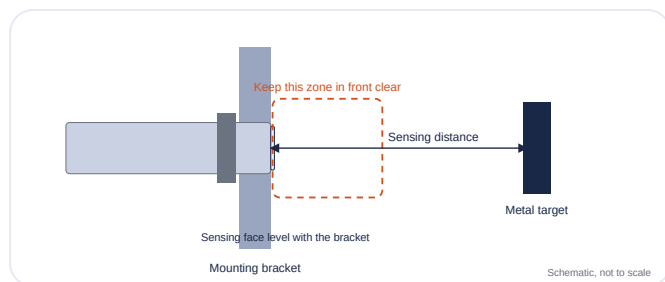
|                        |                                                                            |
|------------------------|----------------------------------------------------------------------------|
| Housing                | M30 thread, Nickel-plated brass                                            |
| Mounting               | Flush and semi-flush (embeddable)                                          |
| Rated sensing distance | 10 / 16 / 22 / 25 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

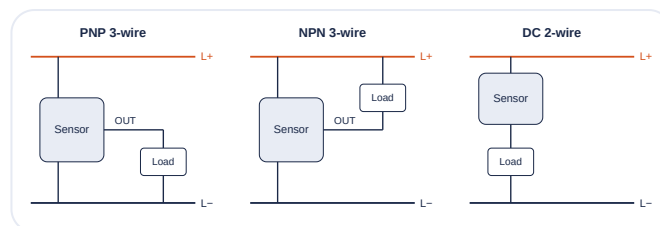
### SGI-GP30S-160PA-Q4-K-V36

|                |                                                                                                                           |            |                                    |
|----------------|---------------------------------------------------------------------------------------------------------------------------|------------|------------------------------------|
| <b>SGI</b>     | SEGME <b>ns</b> ensor inductive                                                                                           | <b>GP</b>  | General-purpose series             |
| <b>30 • S</b>  | M30 flush (U = non-flush)                                                                                                 | <b>160</b> | Sensing distance in 0.1 mm: 16 mm  |
| <b>P • A</b>   | PNP • NO (N = NPN, P = PNP, D = DC 2-wire, J = AC 2-wire, U = AC/DC; A = NO, B = NC, C = NO + NC)                         | <b>Q4</b>  | C2 = 2 m cable, Q4 = M12 connector |
| <b>K • V36</b> | 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 |            |                                    |

## Mounting



## Wiring



## All part numbers

| Part number                     | Mounting | Sensing distance | Output | Supply     | Connection    | Housing             | Length    |
|---------------------------------|----------|------------------|--------|------------|---------------|---------------------|-----------|
| <b>SGI-GP30S-100NA-C2-K</b>     | Flush    | 10 mm            | NPN NO | 10–30 V DC | 2 m cable     | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-100NA-C2</b>       | Flush    | 10 mm            | NPN NO | 10–30 V DC | 2 m cable     | Not listed          | Standard  |
| <b>SGI-GP30S-100NA-Q4-K</b>     | Flush    | 10 mm            | NPN NO | 10–30 V DC | M12 connector | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-100NA-Q4</b>       | Flush    | 10 mm            | NPN NO | 10–30 V DC | M12 connector | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-100NA-C2-K-V36</b> | Flush    | 10 mm            | NPN NO | 5–36 V DC  | 2 m cable     | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-100NA-C2-V36</b>   | Flush    | 10 mm            | NPN NO | 5–36 V DC  | 2 m cable     | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-100NA-Q4-K-V36</b> | Flush    | 10 mm            | NPN NO | 5–36 V DC  | M12 connector | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-100NA-Q4-V36</b>   | Flush    | 10 mm            | NPN NO | 5–36 V DC  | M12 connector | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-100NA-C2-K-V55</b> | Flush    | 10 mm            | NPN NO | 10–55 V DC | 2 m cable     | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-100NA-C2-V55</b>   | Flush    | 10 mm            | NPN NO | 10–55 V DC | 2 m cable     | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-100NA-Q4-K-V55</b> | Flush    | 10 mm            | NPN NO | 10–55 V DC | M12 connector | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-100NA-Q4-V55</b>   | Flush    | 10 mm            | NPN NO | 10–55 V DC | M12 connector | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-100NB-C2-K</b>     | Flush    | 10 mm            | NPN NC | 10–30 V DC | 2 m cable     | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-100NB-C2</b>       | Flush    | 10 mm            | NPN NC | 10–30 V DC | 2 m cable     | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-100NB-Q4-K</b>     | Flush    | 10 mm            | NPN NC | 10–30 V DC | M12 connector | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-100NB-Q4</b>       | Flush    | 10 mm            | NPN NC | 10–30 V DC | M12 connector | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-100NB-C2-K-V36</b> | Flush    | 10 mm            | NPN NC | 5–36 V DC  | 2 m cable     | Nickel-plated brass | Short (K) |

| Part number                     | Mounting | Sensing distance | Output      | Supply     | Connection    | Housing             | Length    |
|---------------------------------|----------|------------------|-------------|------------|---------------|---------------------|-----------|
| <b>SGI-GP30S-100NB-C2-V36</b>   | Flush    | 10 mm            | NPN NC      | 5–36 V DC  | 2 m cable     | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-100NB-Q4-K-V36</b> | Flush    | 10 mm            | NPN NC      | 5–36 V DC  | M12 connector | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-100NB-Q4-V36</b>   | Flush    | 10 mm            | NPN NC      | 5–36 V DC  | M12 connector | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-100NB-C2-K-V55</b> | Flush    | 10 mm            | NPN NC      | 10–55 V DC | 2 m cable     | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-100NB-C2-V55</b>   | Flush    | 10 mm            | NPN NC      | 10–55 V DC | 2 m cable     | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-100NB-Q4-K-V55</b> | Flush    | 10 mm            | NPN NC      | 10–55 V DC | M12 connector | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-100NB-Q4-V55</b>   | Flush    | 10 mm            | NPN NC      | 10–55 V DC | M12 connector | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-100NC-C2-K</b>     | Flush    | 10 mm            | NPN NO + NC | 10–30 V DC | 2 m cable     | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-100NC-C2</b>       | Flush    | 10 mm            | NPN NO + NC | 10–30 V DC | 2 m cable     | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-100NC-Q4-K</b>     | Flush    | 10 mm            | NPN NO + NC | 10–30 V DC | M12 connector | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-100NC-Q4</b>       | Flush    | 10 mm            | NPN NO + NC | 10–30 V DC | M12 connector | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-100NC-C2-K-V36</b> | Flush    | 10 mm            | NPN NO + NC | 5–36 V DC  | 2 m cable     | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-100NC-C2-V36</b>   | Flush    | 10 mm            | NPN NO + NC | 5–36 V DC  | 2 m cable     | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-100NC-Q4-K-V36</b> | Flush    | 10 mm            | NPN NO + NC | 5–36 V DC  | M12 connector | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-100NC-Q4-V36</b>   | Flush    | 10 mm            | NPN NO + NC | 5–36 V DC  | M12 connector | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-100PA-C2-K</b>     | Flush    | 10 mm            | PNP NO      | 10–30 V DC | 2 m cable     | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-100PA-C2</b>       | Flush    | 10 mm            | PNP NO      | 10–30 V DC | 2 m cable     | Not listed          | Standard  |
| <b>SGI-GP30S-100PA-Q4-K</b>     | Flush    | 10 mm            | PNP NO      | 10–30 V DC | M12 connector | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-100PA-Q4</b>       | Flush    | 10 mm            | PNP NO      | 10–30 V DC | M12 connector | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-100PA-C2-K-V36</b> | Flush    | 10 mm            | PNP NO      | 5–36 V DC  | 2 m cable     | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-100PA-C2-V36</b>   | Flush    | 10 mm            | PNP NO      | 5–36 V DC  | 2 m cable     | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-100PA-Q4-K-V36</b> | Flush    | 10 mm            | PNP NO      | 5–36 V DC  | M12 connector | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-100PA-Q4-V36</b>   | Flush    | 10 mm            | PNP NO      | 5–36 V DC  | M12 connector | Nickel-plated brass | Standard  |

| Part number                     | Mounting | Sensing distance | Output      | Supply     | Connection    | Housing             | Length    |
|---------------------------------|----------|------------------|-------------|------------|---------------|---------------------|-----------|
| <b>SGI-GP30S-100PA-C2-K-V55</b> | Flush    | 10 mm            | PNP NO      | 10–55 V DC | 2 m cable     | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-100PA-C2-V55</b>   | Flush    | 10 mm            | PNP NO      | 10–55 V DC | 2 m cable     | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-100PA-Q4-K-V55</b> | Flush    | 10 mm            | PNP NO      | 10–55 V DC | M12 connector | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-100PA-Q4-V55</b>   | Flush    | 10 mm            | PNP NO      | 10–55 V DC | M12 connector | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-100PB-C2-K</b>     | Flush    | 10 mm            | PNP NC      | 10–30 V DC | 2 m cable     | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-100PB-C2</b>       | Flush    | 10 mm            | PNP NC      | 10–30 V DC | 2 m cable     | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-100PB-Q4-K</b>     | Flush    | 10 mm            | PNP NC      | 10–30 V DC | M12 connector | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-100PB-Q4</b>       | Flush    | 10 mm            | PNP NC      | 10–30 V DC | M12 connector | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-100PB-C2-K-V36</b> | Flush    | 10 mm            | PNP NC      | 5–36 V DC  | 2 m cable     | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-100PB-C2-V36</b>   | Flush    | 10 mm            | PNP NC      | 5–36 V DC  | 2 m cable     | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-100PB-Q4-K-V36</b> | Flush    | 10 mm            | PNP NC      | 5–36 V DC  | M12 connector | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-100PB-Q4-V36</b>   | Flush    | 10 mm            | PNP NC      | 5–36 V DC  | M12 connector | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-100PB-C2-K-V55</b> | Flush    | 10 mm            | PNP NC      | 10–55 V DC | 2 m cable     | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-100PB-C2-V55</b>   | Flush    | 10 mm            | PNP NC      | 10–55 V DC | 2 m cable     | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-100PB-Q4-K-V55</b> | Flush    | 10 mm            | PNP NC      | 10–55 V DC | M12 connector | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-100PB-Q4-V55</b>   | Flush    | 10 mm            | PNP NC      | 10–55 V DC | M12 connector | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-100PC-C2-K</b>     | Flush    | 10 mm            | PNP NO + NC | 10–30 V DC | 2 m cable     | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-100PC-C2</b>       | Flush    | 10 mm            | PNP NO + NC | 10–30 V DC | 2 m cable     | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-100PC-Q4-K</b>     | Flush    | 10 mm            | PNP NO + NC | 10–30 V DC | M12 connector | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-100PC-Q4</b>       | Flush    | 10 mm            | PNP NO + NC | 10–30 V DC | M12 connector | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-100PC-C2-K-V36</b> | Flush    | 10 mm            | PNP NO + NC | 5–36 V DC  | 2 m cable     | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-100PC-C2-V36</b>   | Flush    | 10 mm            | PNP NO + NC | 5–36 V DC  | 2 m cable     | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-100PC-Q4-K-V36</b> | Flush    | 10 mm            | PNP NO + NC | 5–36 V DC  | M12 connector | Nickel-plated brass | Short (K) |

| Part number                     | Mounting | Sensing distance | Output            | Supply         | Connection         | Housing             | Length    |
|---------------------------------|----------|------------------|-------------------|----------------|--------------------|---------------------|-----------|
| <b>SGI-GP30S-100PC-Q4-V36</b>   | Flush    | 10 mm            | PNP NO + NC       | 5–36 V DC      | M12 connector      | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-100DA-C2-K</b>     | Flush    | 10 mm            | DC 2-wire NO      | 10–60 V DC     | 2 m cable          | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-100DA-C2</b>       | Flush    | 10 mm            | DC 2-wire NO      | 10–60 V DC     | 2 m cable          | Not listed          | Standard  |
| <b>SGI-GP30S-100DA-Q4</b>       | Flush    | 10 mm            | DC 2-wire NO      | 10–60 V DC     | M12 connector      | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-100DB-C2-K</b>     | Flush    | 10 mm            | DC 2-wire NC      | 10–60 V DC     | 2 m cable          | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-100DB-C2</b>       | Flush    | 10 mm            | DC 2-wire NC      | 10–60 V DC     | 2 m cable          | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-100DB-Q4-K</b>     | Flush    | 10 mm            | DC 2-wire NC      | 10–60 V DC     | M12 connector      | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-100DB-Q4</b>       | Flush    | 10 mm            | DC 2-wire NC      | 10–60 V DC     | M12 connector      | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-100JA-C2-K</b>     | Flush    | 10 mm            | AC 2-wire NO      | 20–250 V AC    | 2 m cable          | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-100JB-C2-K</b>     | Flush    | 10 mm            | AC 2-wire NC      | 20–250 V AC    | 2 m cable          | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-100JC-C2-K</b>     | Flush    | 10 mm            | AC 2-wire NO + NC | 20–250 V AC    | 2 m cable          | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-100UA-C2-K-3W</b>  | Flush    | 10 mm            | AC/DC NO          | 20–250 V AC/DC | 2 m cable (3-wire) | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-100UA-C2-3W</b>    | Flush    | 10 mm            | AC/DC NO          | 20–250 V AC/DC | 2 m cable (3-wire) | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-100UA-Q4</b>       | Flush    | 10 mm            | AC/DC NO          | 20–250 V AC/DC | M12 connector      | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-100UB-C2-K-3W</b>  | Flush    | 10 mm            | AC/DC NC          | 20–250 V AC/DC | 2 m cable (3-wire) | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-100UB-C2-3W</b>    | Flush    | 10 mm            | AC/DC NC          | 20–250 V AC/DC | 2 m cable (3-wire) | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-100UB-Q4</b>       | Flush    | 10 mm            | AC/DC NC          | 20–250 V AC/DC | M12 connector      | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-160NA-C2-K</b>     | Flush    | 16 mm            | NPN NO            | 10–30 V DC     | 2 m cable          | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-160NA-C2</b>       | Flush    | 16 mm            | NPN NO            | 10–30 V DC     | 2 m cable          | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-160NA-Q4-K</b>     | Flush    | 16 mm            | NPN NO            | 10–30 V DC     | M12 connector      | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-160NA-Q4</b>       | Flush    | 16 mm            | NPN NO            | 10–30 V DC     | M12 connector      | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-160NA-C2-K-V36</b> | Flush    | 16 mm            | NPN NO            | 5–36 V DC      | 2 m cable          | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-160NA-C2-V36</b>   | Flush    | 16 mm            | NPN NO            | 5–36 V DC      | 2 m cable          | Nickel-plated brass | Standard  |

| Part number                     | Mounting | Sensing distance | Output      | Supply     | Connection    | Housing             | Length    |
|---------------------------------|----------|------------------|-------------|------------|---------------|---------------------|-----------|
| <b>SGI-GP30S-160NA-Q4-V36</b>   | Flush    | 16 mm            | NPN NO      | 5–36 V DC  | M12 connector | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-160NA-C2-K-V55</b> | Flush    | 16 mm            | NPN NO      | 10–55 V DC | 2 m cable     | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-160NA-C2-V55</b>   | Flush    | 16 mm            | NPN NO      | 10–55 V DC | 2 m cable     | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-160NA-Q4-K-V55</b> | Flush    | 16 mm            | NPN NO      | 10–55 V DC | M12 connector | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-160NA-Q4-V55</b>   | Flush    | 16 mm            | NPN NO      | 10–55 V DC | M12 connector | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-160NB-C2-K</b>     | Flush    | 16 mm            | NPN NC      | 10–30 V DC | 2 m cable     | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-160NB-C2</b>       | Flush    | 16 mm            | NPN NC      | 10–30 V DC | 2 m cable     | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-160NB-Q4-K</b>     | Flush    | 16 mm            | NPN NC      | 10–30 V DC | M12 connector | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-160NB-Q4</b>       | Flush    | 16 mm            | NPN NC      | 10–30 V DC | M12 connector | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-160NB-C2-K-V36</b> | Flush    | 16 mm            | NPN NC      | 5–36 V DC  | 2 m cable     | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-160NB-C2-V36</b>   | Flush    | 16 mm            | NPN NC      | 5–36 V DC  | 2 m cable     | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-160NB-Q4-K-V36</b> | Flush    | 16 mm            | NPN NC      | 5–36 V DC  | M12 connector | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-160NB-Q4-V36</b>   | Flush    | 16 mm            | NPN NC      | 5–36 V DC  | M12 connector | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-160NB-C2-K-V55</b> | Flush    | 16 mm            | NPN NC      | 10–55 V DC | 2 m cable     | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-160NB-C2-V55</b>   | Flush    | 16 mm            | NPN NC      | 10–55 V DC | 2 m cable     | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-160NB-Q4-K-V55</b> | Flush    | 16 mm            | NPN NC      | 10–55 V DC | M12 connector | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-160NB-Q4-V55</b>   | Flush    | 16 mm            | NPN NC      | 10–55 V DC | M12 connector | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-160NC-C2-K</b>     | Flush    | 16 mm            | NPN NO + NC | 10–30 V DC | 2 m cable     | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-160NC-C2</b>       | Flush    | 16 mm            | NPN NO + NC | 10–30 V DC | 2 m cable     | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-160NC-Q4-K</b>     | Flush    | 16 mm            | NPN NO + NC | 10–30 V DC | M12 connector | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-160NC-Q4</b>       | Flush    | 16 mm            | NPN NO + NC | 10–30 V DC | M12 connector | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-160NC-C2-K-V36</b> | Flush    | 16 mm            | NPN NO + NC | 5–36 V DC  | 2 m cable     | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-160NC-C2-V36</b>   | Flush    | 16 mm            | NPN NO + NC | 5–36 V DC  | 2 m cable     | Nickel-plated brass | Standard  |

| Part number                     | Mounting | Sensing distance | Output      | Supply     | Connection    | Housing             | Length    |
|---------------------------------|----------|------------------|-------------|------------|---------------|---------------------|-----------|
| <b>SGI-GP30S-160NC-Q4-K-V36</b> | Flush    | 16 mm            | NPN NO + NC | 5–36 V DC  | M12 connector | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-160NC-Q4-V36</b>   | Flush    | 16 mm            | NPN NO + NC | 5–36 V DC  | M12 connector | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-160PA-C2-K</b>     | Flush    | 16 mm            | PNP NO      | 10–30 V DC | 2 m cable     | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-160PA-C2</b>       | Flush    | 16 mm            | PNP NO      | 10–30 V DC | 2 m cable     | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-160PA-Q4-K</b>     | Flush    | 16 mm            | PNP NO      | 10–30 V DC | M12 connector | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-160PA-Q4</b>       | Flush    | 16 mm            | PNP NO      | 10–30 V DC | M12 connector | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-160PA-C2-K-V36</b> | Flush    | 16 mm            | PNP NO      | 5–36 V DC  | 2 m cable     | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-160PA-C2-V36</b>   | Flush    | 16 mm            | PNP NO      | 5–36 V DC  | 2 m cable     | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-160PA-Q4-K-V36</b> | Flush    | 16 mm            | PNP NO      | 5–36 V DC  | M12 connector | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-160PA-Q4-V36</b>   | Flush    | 16 mm            | PNP NO      | 5–36 V DC  | M12 connector | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-160PA-C2-K-V55</b> | Flush    | 16 mm            | PNP NO      | 10–55 V DC | 2 m cable     | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-160PA-C2-V55</b>   | Flush    | 16 mm            | PNP NO      | 10–55 V DC | 2 m cable     | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-160PA-Q4-K-V55</b> | Flush    | 16 mm            | PNP NO      | 10–55 V DC | M12 connector | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-160PA-Q4-V55</b>   | Flush    | 16 mm            | PNP NO      | 10–55 V DC | M12 connector | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-160PB-C2-K</b>     | Flush    | 16 mm            | PNP NC      | 10–30 V DC | 2 m cable     | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-160PB-C2</b>       | Flush    | 16 mm            | PNP NC      | 10–30 V DC | 2 m cable     | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-160PB-Q4-K</b>     | Flush    | 16 mm            | PNP NC      | 10–30 V DC | M12 connector | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-160PB-Q4</b>       | Flush    | 16 mm            | PNP NC      | 10–30 V DC | M12 connector | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-160PB-C2-K-V36</b> | Flush    | 16 mm            | PNP NC      | 5–36 V DC  | 2 m cable     | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-160PB-C2-V36</b>   | Flush    | 16 mm            | PNP NC      | 5–36 V DC  | 2 m cable     | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-160PB-Q4-K-V36</b> | Flush    | 16 mm            | PNP NC      | 5–36 V DC  | M12 connector | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-160PB-Q4-V36</b>   | Flush    | 16 mm            | PNP NC      | 5–36 V DC  | M12 connector | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-160PB-C2-K-V55</b> | Flush    | 16 mm            | PNP NC      | 10–55 V DC | 2 m cable     | Nickel-plated brass | Short (K) |

| Part number                     | Mounting | Sensing distance | Output            | Supply         | Connection         | Housing             | Length    |
|---------------------------------|----------|------------------|-------------------|----------------|--------------------|---------------------|-----------|
| <b>SGI-GP30S-160PB-C2-V55</b>   | Flush    | 16 mm            | PNP NC            | 10–55 V DC     | 2 m cable          | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-160PB-Q4-K-V55</b> | Flush    | 16 mm            | PNP NC            | 10–55 V DC     | M12 connector      | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-160PB-Q4-V55</b>   | Flush    | 16 mm            | PNP NC            | 10–55 V DC     | M12 connector      | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-160PC-C2-K</b>     | Flush    | 16 mm            | PNP NO + NC       | 10–30 V DC     | 2 m cable          | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-160PC-C2</b>       | Flush    | 16 mm            | PNP NO + NC       | 10–30 V DC     | 2 m cable          | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-160PC-Q4-K</b>     | Flush    | 16 mm            | PNP NO + NC       | 10–30 V DC     | M12 connector      | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-160PC-Q4</b>       | Flush    | 16 mm            | PNP NO + NC       | 10–30 V DC     | M12 connector      | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-160PC-C2-K-V36</b> | Flush    | 16 mm            | PNP NO + NC       | 5–36 V DC      | 2 m cable          | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-160PC-C2-V36</b>   | Flush    | 16 mm            | PNP NO + NC       | 5–36 V DC      | 2 m cable          | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-160PC-Q4-K-V36</b> | Flush    | 16 mm            | PNP NO + NC       | 5–36 V DC      | M12 connector      | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-160PC-Q4-V36</b>   | Flush    | 16 mm            | PNP NO + NC       | 5–36 V DC      | M12 connector      | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-160DA-C2-K</b>     | Flush    | 16 mm            | DC 2-wire NO      | 10–60 V DC     | 2 m cable          | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-160DA-C2</b>       | Flush    | 16 mm            | DC 2-wire NO      | 10–60 V DC     | 2 m cable          | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-160DA-Q4-K</b>     | Flush    | 16 mm            | DC 2-wire NO      | 10–60 V DC     | M12 connector      | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-160DA-Q4</b>       | Flush    | 16 mm            | DC 2-wire NO      | 10–60 V DC     | M12 connector      | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-160DB-C2-K</b>     | Flush    | 16 mm            | DC 2-wire NC      | 10–60 V DC     | 2 m cable          | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-160DB-C2</b>       | Flush    | 16 mm            | DC 2-wire NC      | 10–60 V DC     | 2 m cable          | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-160DB-Q4-K</b>     | Flush    | 16 mm            | DC 2-wire NC      | 10–60 V DC     | M12 connector      | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-160DB-Q4</b>       | Flush    | 16 mm            | DC 2-wire NC      | 10–60 V DC     | M12 connector      | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-160JB-C2-K</b>     | Flush    | 16 mm            | AC 2-wire NC      | 20–250 V AC    | 2 m cable          | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-160JC-C2-K</b>     | Flush    | 16 mm            | AC 2-wire NO + NC | 20–250 V AC    | 2 m cable          | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-160UA-C2-K-3W</b>  | Flush    | 16 mm            | AC/DC NO          | 20–250 V AC/DC | 2 m cable (3-wire) | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-160UA-C2-3W</b>    | Flush    | 16 mm            | AC/DC NO          | 20–250 V AC/DC | 2 m cable (3-wire) | Nickel-plated brass | Standard  |

| Part number                     | Mounting   | Sensing distance | Output       | Supply         | Connection         | Housing             | Length    |
|---------------------------------|------------|------------------|--------------|----------------|--------------------|---------------------|-----------|
| <b>SGI-GP30S-160UA-Q4</b>       | Flush      | 16 mm            | AC/DC NO     | 20–250 V AC/DC | M12 connector      | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-160UB-C2-K-3W</b>  | Flush      | 16 mm            | AC/DC NC     | 20–250 V AC/DC | 2 m cable (3-wire) | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-160UB-Q4</b>       | Flush      | 16 mm            | AC/DC NC     | 20–250 V AC/DC | M12 connector      | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-160JA-C2-K</b>     | Semi-flush | 16 mm            | AC 2-wire NO | 20–250 V AC    | 2 m cable          | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-220NA-Q4-K</b>     | Flush      | 22 mm            | NPN NO       | 10–30 V DC     | M12 connector      | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-220NA-Q4</b>       | Flush      | 22 mm            | NPN NO       | 10–30 V DC     | M12 connector      | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-220NA-C2-K-V36</b> | Flush      | 22 mm            | NPN NO       | 5–36 V DC      | 2 m cable          | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-220NA-Q4-K-V36</b> | Flush      | 22 mm            | NPN NO       | 5–36 V DC      | M12 connector      | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-220NA-Q4-V36</b>   | Flush      | 22 mm            | NPN NO       | 5–36 V DC      | M12 connector      | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-220NA-Q4-K-V55</b> | Flush      | 22 mm            | NPN NO       | 10–55 V DC     | M12 connector      | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-220NA-Q4-V55</b>   | Flush      | 22 mm            | NPN NO       | 10–55 V DC     | M12 connector      | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-220NB-Q4-K</b>     | Flush      | 22 mm            | NPN NC       | 10–30 V DC     | M12 connector      | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-220NB-Q4</b>       | Flush      | 22 mm            | NPN NC       | 10–30 V DC     | M12 connector      | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-220NB-C2-K-V36</b> | Flush      | 22 mm            | NPN NC       | 5–36 V DC      | 2 m cable          | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-220NB-Q4-K-V36</b> | Flush      | 22 mm            | NPN NC       | 5–36 V DC      | M12 connector      | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-220NB-Q4-V36</b>   | Flush      | 22 mm            | NPN NC       | 5–36 V DC      | M12 connector      | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-220NB-Q4-V55</b>   | Flush      | 22 mm            | NPN NC       | 10–55 V DC     | M12 connector      | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-220NC-Q4-K</b>     | Flush      | 22 mm            | NPN NO + NC  | 10–30 V DC     | M12 connector      | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-220NC-Q4</b>       | Flush      | 22 mm            | NPN NO + NC  | 10–30 V DC     | M12 connector      | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-220NC-Q4-K-V36</b> | Flush      | 22 mm            | NPN NO + NC  | 5–36 V DC      | M12 connector      | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-220NC-Q4-V36</b>   | Flush      | 22 mm            | NPN NO + NC  | 5–36 V DC      | M12 connector      | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-220PA-Q4-K</b>     | Flush      | 22 mm            | PNP NO       | 10–30 V DC     | M12 connector      | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-220PA-Q4</b>       | Flush      | 22 mm            | PNP NO       | 10–30 V DC     | M12 connector      | Nickel-plated brass | Standard  |

| Part number                     | Mounting   | Sensing distance | Output       | Supply     | Connection    | Housing             | Length    |
|---------------------------------|------------|------------------|--------------|------------|---------------|---------------------|-----------|
| <b>SGI-GP30S-220PA-Q4-K-V36</b> | Flush      | 22 mm            | PNP NO       | 5–36 V DC  | M12 connector | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-220PA-Q4-V36</b>   | Flush      | 22 mm            | PNP NO       | 5–36 V DC  | M12 connector | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-220PA-Q4-K-V55</b> | Flush      | 22 mm            | PNP NO       | 10–55 V DC | M12 connector | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-220PA-Q4-V55</b>   | Flush      | 22 mm            | PNP NO       | 10–55 V DC | M12 connector | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-220PB-Q4-K</b>     | Flush      | 22 mm            | PNP NC       | 10–30 V DC | M12 connector | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-220PB-Q4</b>       | Flush      | 22 mm            | PNP NC       | 10–30 V DC | M12 connector | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-220PB-Q4-K-V36</b> | Flush      | 22 mm            | PNP NC       | 5–36 V DC  | M12 connector | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-220PB-Q4-V36</b>   | Flush      | 22 mm            | PNP NC       | 5–36 V DC  | M12 connector | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-220PB-Q4-K-V55</b> | Flush      | 22 mm            | PNP NC       | 10–55 V DC | M12 connector | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-220PB-Q4-V55</b>   | Flush      | 22 mm            | PNP NC       | 10–55 V DC | M12 connector | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-220PC-Q4-K</b>     | Flush      | 22 mm            | PNP NO + NC  | 10–30 V DC | M12 connector | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-220PC-Q4</b>       | Flush      | 22 mm            | PNP NO + NC  | 10–30 V DC | M12 connector | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-220PC-Q4-K-V36</b> | Flush      | 22 mm            | PNP NO + NC  | 5–36 V DC  | M12 connector | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-220PC-Q4-V36</b>   | Flush      | 22 mm            | PNP NO + NC  | 5–36 V DC  | M12 connector | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-220DA-Q4-K</b>     | Flush      | 22 mm            | DC 2-wire NO | 10–60 V DC | M12 connector | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-220DA-Q4</b>       | Flush      | 22 mm            | DC 2-wire NO | 10–60 V DC | M12 connector | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-220DB-Q4-K</b>     | Flush      | 22 mm            | DC 2-wire NC | 10–60 V DC | M12 connector | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-220DB-Q4</b>       | Flush      | 22 mm            | DC 2-wire NC | 10–60 V DC | M12 connector | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-220NA-C2-K</b>     | Semi-flush | 22 mm            | NPN NO       | 10–30 V DC | 2 m cable     | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-220NA-C2</b>       | Semi-flush | 22 mm            | NPN NO       | 10–30 V DC | 2 m cable     | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-220NA-C2-V36</b>   | Semi-flush | 22 mm            | NPN NO       | 5–36 V DC  | 2 m cable     | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-220NA-C2-K-V55</b> | Semi-flush | 22 mm            | NPN NO       | 10–55 V DC | 2 m cable     | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-220NA-C2-V55</b>   | Semi-flush | 22 mm            | NPN NO       | 10–55 V DC | 2 m cable     | Nickel-plated brass | Standard  |

| Part number                     | Mounting   | Sensing distance | Output      | Supply     | Connection | Housing             | Length    |
|---------------------------------|------------|------------------|-------------|------------|------------|---------------------|-----------|
| <b>SGI-GP30S-220NB-C2-K</b>     | Semi-flush | 22 mm            | NPN NC      | 10–30 V DC | 2 m cable  | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-220NB-C2</b>       | Semi-flush | 22 mm            | NPN NC      | 10–30 V DC | 2 m cable  | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-220NB-C2-V36</b>   | Semi-flush | 22 mm            | NPN NC      | 5–36 V DC  | 2 m cable  | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-220NB-C2-K-V55</b> | Semi-flush | 22 mm            | NPN NC      | 10–55 V DC | 2 m cable  | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-220NB-C2-V55</b>   | Semi-flush | 22 mm            | NPN NC      | 10–55 V DC | 2 m cable  | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-220NC-C2-K</b>     | Semi-flush | 22 mm            | NPN NO + NC | 10–30 V DC | 2 m cable  | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-220NC-C2</b>       | Semi-flush | 22 mm            | NPN NO + NC | 10–30 V DC | 2 m cable  | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-220NC-C2-K-V36</b> | Semi-flush | 22 mm            | NPN NO + NC | 5–36 V DC  | 2 m cable  | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-220NC-C2-V36</b>   | Semi-flush | 22 mm            | NPN NO + NC | 5–36 V DC  | 2 m cable  | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-220PA-C2-K</b>     | Semi-flush | 22 mm            | PNP NO      | 10–30 V DC | 2 m cable  | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-220PA-C2</b>       | Semi-flush | 22 mm            | PNP NO      | 10–30 V DC | 2 m cable  | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-220PA-C2-K-V36</b> | Semi-flush | 22 mm            | PNP NO      | 5–36 V DC  | 2 m cable  | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-220PA-C2-V36</b>   | Semi-flush | 22 mm            | PNP NO      | 5–36 V DC  | 2 m cable  | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-220PA-C2-K-V55</b> | Semi-flush | 22 mm            | PNP NO      | 10–55 V DC | 2 m cable  | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-220PA-C2-V55</b>   | Semi-flush | 22 mm            | PNP NO      | 10–55 V DC | 2 m cable  | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-220PB-C2-K</b>     | Semi-flush | 22 mm            | PNP NC      | 10–30 V DC | 2 m cable  | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-220PB-C2</b>       | Semi-flush | 22 mm            | PNP NC      | 10–30 V DC | 2 m cable  | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-220PB-C2-K-V36</b> | Semi-flush | 22 mm            | PNP NC      | 5–36 V DC  | 2 m cable  | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-220PB-C2-V36</b>   | Semi-flush | 22 mm            | PNP NC      | 5–36 V DC  | 2 m cable  | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-220PB-C2-K-V55</b> | Semi-flush | 22 mm            | PNP NC      | 10–55 V DC | 2 m cable  | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-220PB-C2-V55</b>   | Semi-flush | 22 mm            | PNP NC      | 10–55 V DC | 2 m cable  | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-220PC-C2-K</b>     | Semi-flush | 22 mm            | PNP NO + NC | 10–30 V DC | 2 m cable  | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-220PC-C2</b>       | Semi-flush | 22 mm            | PNP NO + NC | 10–30 V DC | 2 m cable  | Nickel-plated brass | Standard  |

| Part number                     | Mounting   | Sensing distance | Output       | Supply     | Connection    | Housing             | Length    |
|---------------------------------|------------|------------------|--------------|------------|---------------|---------------------|-----------|
| <b>SGI-GP30S-220PC-C2-K-V36</b> | Semi-flush | 22 mm            | PNP NO + NC  | 5–36 V DC  | 2 m cable     | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-220PC-C2-V36</b>   | Semi-flush | 22 mm            | PNP NO + NC  | 5–36 V DC  | 2 m cable     | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-220DA-C2-K</b>     | Semi-flush | 22 mm            | DC 2-wire NO | 10–60 V DC | 2 m cable     | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-220DA-C2</b>       | Semi-flush | 22 mm            | DC 2-wire NO | 10–60 V DC | 2 m cable     | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-220DB-C2-K</b>     | Semi-flush | 22 mm            | DC 2-wire NC | 10–60 V DC | 2 m cable     | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-220DB-C2</b>       | Semi-flush | 22 mm            | DC 2-wire NC | 10–60 V DC | 2 m cable     | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-250NA-Q4-K</b>     | Flush      | 25 mm            | NPN NO       | 10–30 V DC | M12 connector | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-250NA-Q4</b>       | Flush      | 25 mm            | NPN NO       | 10–30 V DC | M12 connector | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-250NB-Q4-K</b>     | Flush      | 25 mm            | NPN NC       | 10–30 V DC | M12 connector | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-250NB-Q4</b>       | Flush      | 25 mm            | NPN NC       | 10–30 V DC | M12 connector | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-250PA-Q4-K</b>     | Flush      | 25 mm            | PNP NO       | 10–30 V DC | M12 connector | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-250PA-Q4</b>       | Flush      | 25 mm            | PNP NO       | 10–30 V DC | M12 connector | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-250PB-Q4-K</b>     | Flush      | 25 mm            | PNP NC       | 10–30 V DC | M12 connector | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-250PB-Q4</b>       | Flush      | 25 mm            | PNP NC       | 10–30 V DC | M12 connector | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-250NA-C2-K</b>     | Semi-flush | 25 mm            | NPN NO       | 10–30 V DC | 2 m cable     | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-250NA-C2</b>       | Semi-flush | 25 mm            | NPN NO       | 10–30 V DC | 2 m cable     | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-250NB-C2-K</b>     | Semi-flush | 25 mm            | NPN NC       | 10–30 V DC | 2 m cable     | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-250NB-C2</b>       | Semi-flush | 25 mm            | NPN NC       | 10–30 V DC | 2 m cable     | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-250PA-C2-K</b>     | Semi-flush | 25 mm            | PNP NO       | 10–30 V DC | 2 m cable     | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-250PA-C2</b>       | Semi-flush | 25 mm            | PNP NO       | 10–30 V DC | 2 m cable     | Nickel-plated brass | Standard  |
| <b>SGI-GP30S-250PB-C2-K</b>     | Semi-flush | 25 mm            | PNP NC       | 10–30 V DC | 2 m cable     | Nickel-plated brass | Short (K) |
| <b>SGI-GP30S-250PB-C2</b>       | Semi-flush | 25 mm            | PNP NC       | 10–30 V DC | 2 m cable     | Nickel-plated brass | Standard  |

## Questions and answers

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### What does flush mean for an M30 sensor?

A flush (shielded) sensor can be mounted level with the surrounding metal; keep the area in front of the sensing face clear. Semi-flush models in this family are rated 16 / 22 / 25 mm; check the mounting clearances on the dimension drawing.

### Which sensing distances are available?

This family has 246 part numbers with these rated sensing distances: 10 / 16 / 22 / 25 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 (129 models), M12 connector (117 models).

### Can I order with the SEGMENTSensor 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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### SEGMENT (Shenzhen) Industrial Development Co., Ltd.

[www.segmensensor.com](http://www.segmensensor.com) • [info@segmensensor.com](mailto:info@segmensensor.com) • +86 138 2870 4591

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