

M12 Flush Inductive Proximity Sensors 2–8 mm



M12 flush inductive proximity sensors. Rated sensing distances 2 / 4 / 6 / 8 mm; NPN, PNP, DC 2-wire, AC/DC outputs; 2 m cable, M12 connector, M12 pigtail. 329 part numbers, each a fixed SEGMENTsensor order code.

Sensing distance **2–8 mm** Outputs **NPN • PNP • DC 2-wire • AC/DC**

Connection **2 m cable • M12 connector • M12 pigtail** Part numbers **329**

Key facts

- Rated sensing distances: 2 / 4 / 6 / 8 mm.
- Supply: 10–30 V DC, 5–36 V DC, 10–55 V DC, 10–60 V DC, 20–250 V AC/DC.
- Outputs: NPN, PNP, DC 2-wire, AC/DC. 68 NPN/PNP models have complementary NO + NC outputs.
- Connections: 2 m cable (159), M12 connector (148), M12 pigtail (22). Housing: Nickel-plated brass (323), PTFE-coated brass (1). 160 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

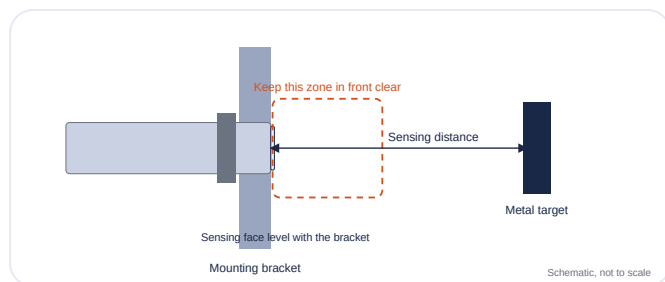
Housing	M12 thread, Nickel-plated brass (323), PTFE-coated brass (1)
Mounting	Flush and semi-flush (embeddable)
Rated sensing distance	2 / 4 / 6 / 8 mm
Outputs	NPN, PNP, DC 2-wire, AC/DC
Supply	10–30 V DC, 5–36 V DC, 10–55 V DC, 10–60 V DC, 20–250 V AC/DC
Connection	2 m cable, M12 connector, M12 pigtail
Housing length	Standard, Short (K), Extra-short (KK)
Other electrical data	Per part-number datasheet, sent with the quotation

Reading the part number

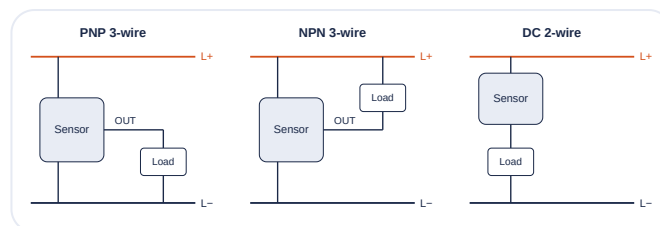
SGI-GP12S-060PA-C2-K-V36

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|----------------|---|------------|--|
| SGI | SEGMENTsensor inductive | GP | General-purpose series |
| 12 • S | M12 flush (U = non-flush) | 060 | Sensing distance in 0.1 mm: 6 mm |
| 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) | C2 | C2 = 2 m cable, Q4 = M12 connector, P4 = M12 pigtail |
| K • V36 | K = short housing; KK = extra-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
SGI-GP12S-020NA-C2-K	Flush	2 mm	NPN NO	10–30 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-020NA-C2-KK	Flush	2 mm	NPN NO	10–30 V DC	2 m cable	Nickel-plated brass	Extra-short (KK)
SGI-GP12S-020NA-C2	Flush	2 mm	NPN NO	10–30 V DC	2 m cable	Not listed	Standard
SGI-GP12S-020NA-Q4-K	Flush	2 mm	NPN NO	10–30 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-020NA-Q4	Flush	2 mm	NPN NO	10–30 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-020NA-P4-KK	Flush	2 mm	NPN NO	10–30 V DC	M12 pigtail	Nickel-plated brass	Extra-short (KK)
SGI-GP12S-020NA-P4	Flush	2 mm	NPN NO	10–30 V DC	M12 pigtail	Nickel-plated brass	Standard
SGI-GP12S-020NA-C2-K-V36	Flush	2 mm	NPN NO	5–36 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-020NA-C2-V36	Flush	2 mm	NPN NO	5–36 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-020NA-Q4-K-V36	Flush	2 mm	NPN NO	5–36 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-020NA-Q4-V36	Flush	2 mm	NPN NO	5–36 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-020NA-P4-V36	Flush	2 mm	NPN NO	5–36 V DC	M12 pigtail	Nickel-plated brass	Standard
SGI-GP12S-020NA-C2-K-V55	Flush	2 mm	NPN NO	10–55 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-020NA-C2-V55	Flush	2 mm	NPN NO	10–55 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-020NA-Q4-K-V55	Flush	2 mm	NPN NO	10–55 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-020NA-Q4-V55	Flush	2 mm	NPN NO	10–55 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-020NA-P4-V55	Flush	2 mm	NPN NO	10–55 V DC	M12 pigtail	Nickel-plated brass	Standard

Part number	Mounting	Sensing distance	Output	Supply	Connection	Housing	Length
SGI-GP12S-020NB-C2-K	Flush	2 mm	NPN NC	10–30 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-020NB-C2-KK	Flush	2 mm	NPN NC	10–30 V DC	2 m cable	Nickel-plated brass	Extra-short (KK)
SGI-GP12S-020NB-C2	Flush	2 mm	NPN NC	10–30 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-020NB-Q4-K	Flush	2 mm	NPN NC	10–30 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-020NB-Q4	Flush	2 mm	NPN NC	10–30 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-020NB-P4-KK	Flush	2 mm	NPN NC	10–30 V DC	M12 pigtail	Nickel-plated brass	Extra-short (KK)
SGI-GP12S-020NB-P4	Flush	2 mm	NPN NC	10–30 V DC	M12 pigtail	Nickel-plated brass	Standard
SGI-GP12S-020NB-C2-K-V36	Flush	2 mm	NPN NC	5–36 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-020NB-C2-V36	Flush	2 mm	NPN NC	5–36 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-020NB-Q4-K-V36	Flush	2 mm	NPN NC	5–36 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-020NB-Q4-V36	Flush	2 mm	NPN NC	5–36 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-020NB-P4-V36	Flush	2 mm	NPN NC	5–36 V DC	M12 pigtail	Nickel-plated brass	Standard
SGI-GP12S-020NB-C2-K-V55	Flush	2 mm	NPN NC	10–55 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-020NB-C2-V55	Flush	2 mm	NPN NC	10–55 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-020NB-Q4-K-V55	Flush	2 mm	NPN NC	10–55 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-020NB-Q4-V55	Flush	2 mm	NPN NC	10–55 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-020NB-P4-V55	Flush	2 mm	NPN NC	10–55 V DC	M12 pigtail	Nickel-plated brass	Standard
SGI-GP12S-020NC-C2-K	Flush	2 mm	NPN NO + NC	10–30 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-020NC-C2	Flush	2 mm	NPN NO + NC	10–30 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-020NC-Q4-K	Flush	2 mm	NPN NO + NC	10–30 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-020NC-Q4	Flush	2 mm	NPN NO + NC	10–30 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-020NC-P4	Flush	2 mm	NPN NO + NC	10–30 V DC	M12 pigtail	Nickel-plated brass	Standard
SGI-GP12S-020NC-C2-K-V36	Flush	2 mm	NPN NO + NC	5–36 V DC	2 m cable	Nickel-plated brass	Short (K)

Part number	Mounting	Sensing distance	Output	Supply	Connection	Housing	Length
SGI-GP12S-020NC-C2-V36	Flush	2 mm	NPN NO + NC	5–36 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-020NC-Q4-K-V36	Flush	2 mm	NPN NO + NC	5–36 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-020NC-Q4-V36	Flush	2 mm	NPN NO + NC	5–36 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-020NC-P4-V36	Flush	2 mm	NPN NO + NC	5–36 V DC	M12 pigtail	Nickel-plated brass	Standard
SGI-GP12S-020PA-C2-K	Flush	2 mm	PNP NO	10–30 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-020PA-C2-KK	Flush	2 mm	PNP NO	10–30 V DC	2 m cable	Nickel-plated brass	Extra-short (KK)
SGI-GP12S-020PA-C2	Flush	2 mm	PNP NO	10–30 V DC	2 m cable	Not listed	Standard
SGI-GP12S-020PA-Q4-K	Flush	2 mm	PNP NO	10–30 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-020PA-Q4	Flush	2 mm	PNP NO	10–30 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-020PA-P4-KK	Flush	2 mm	PNP NO	10–30 V DC	M12 pigtail	Nickel-plated brass	Extra-short (KK)
SGI-GP12S-020PA-P4	Flush	2 mm	PNP NO	10–30 V DC	M12 pigtail	Nickel-plated brass	Standard
SGI-GP12S-020PA-C2-K-V36	Flush	2 mm	PNP NO	5–36 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-020PA-C2-V36	Flush	2 mm	PNP NO	5–36 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-020PA-Q4-K-V36	Flush	2 mm	PNP NO	5–36 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-020PA-Q4-V36	Flush	2 mm	PNP NO	5–36 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-020PA-P4-V36	Flush	2 mm	PNP NO	5–36 V DC	M12 pigtail	Nickel-plated brass	Standard
SGI-GP12S-020PA-C2-K-V55	Flush	2 mm	PNP NO	10–55 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-020PA-C2-V55	Flush	2 mm	PNP NO	10–55 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-020PA-Q4-K-V55	Flush	2 mm	PNP NO	10–55 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-020PA-Q4-V55	Flush	2 mm	PNP NO	10–55 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-020PA-P4-V55	Flush	2 mm	PNP NO	10–55 V DC	M12 pigtail	Nickel-plated brass	Standard
SGI-GP12S-020PB-C2-K	Flush	2 mm	PNP NC	10–30 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-020PB-C2-KK	Flush	2 mm	PNP NC	10–30 V DC	2 m cable	Nickel-plated brass	Extra-short (KK)

Part number	Mounting	Sensing distance	Output	Supply	Connection	Housing	Length
SGI-GP12S-020PB-C2	Flush	2 mm	PNP NC	10–30 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-020PB-Q4-K	Flush	2 mm	PNP NC	10–30 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-020PB-Q4	Flush	2 mm	PNP NC	10–30 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-020PB-P4-KK	Flush	2 mm	PNP NC	10–30 V DC	M12 pigtail	Nickel-plated brass	Extra-short (KK)
SGI-GP12S-020PB-P4	Flush	2 mm	PNP NC	10–30 V DC	M12 pigtail	Nickel-plated brass	Standard
SGI-GP12S-020PB-C2-K-V36	Flush	2 mm	PNP NC	5–36 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-020PB-C2-V36	Flush	2 mm	PNP NC	5–36 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-020PB-Q4-K-V36	Flush	2 mm	PNP NC	5–36 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-020PB-Q4-V36	Flush	2 mm	PNP NC	5–36 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-020PB-P4-V36	Flush	2 mm	PNP NC	5–36 V DC	M12 pigtail	Nickel-plated brass	Standard
SGI-GP12S-020PB-C2-K-V55	Flush	2 mm	PNP NC	10–55 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-020PB-C2-V55	Flush	2 mm	PNP NC	10–55 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-020PB-Q4-K-V55	Flush	2 mm	PNP NC	10–55 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-020PB-Q4-V55	Flush	2 mm	PNP NC	10–55 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-020PB-P4-V55	Flush	2 mm	PNP NC	10–55 V DC	M12 pigtail	Nickel-plated brass	Standard
SGI-GP12S-020PC-C2-K	Flush	2 mm	PNP NO + NC	10–30 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-020PC-C2	Flush	2 mm	PNP NO + NC	10–30 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-020PC-Q4-K	Flush	2 mm	PNP NO + NC	10–30 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-020PC-Q4	Flush	2 mm	PNP NO + NC	10–30 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-020PC-P4	Flush	2 mm	PNP NO + NC	10–30 V DC	M12 pigtail	Nickel-plated brass	Standard
SGI-GP12S-020PC-C2-K-V36	Flush	2 mm	PNP NO + NC	5–36 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-020PC-C2-V36	Flush	2 mm	PNP NO + NC	5–36 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-020PC-Q4-K-V36	Flush	2 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
SGI-GP12S-020PC-Q4-V36	Flush	2 mm	PNP NO + NC	5–36 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-020PC-P4-V36	Flush	2 mm	PNP NO + NC	5–36 V DC	M12 pigtail	Nickel-plated brass	Standard
SGI-GP12S-020DA-C2-K	Flush	2 mm	DC 2-wire NO	10–60 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-020DA-C2	Flush	2 mm	DC 2-wire NO	10–60 V DC	2 m cable	Not listed	Standard
SGI-GP12S-020DA-Q4-K	Flush	2 mm	DC 2-wire NO	10–60 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-020DA-Q4	Flush	2 mm	DC 2-wire NO	10–60 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-020DA-P4	Flush	2 mm	DC 2-wire NO	10–60 V DC	M12 pigtail	Nickel-plated brass	Standard
SGI-GP12S-020DB-C2-K	Flush	2 mm	DC 2-wire NC	10–60 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-020DB-C2	Flush	2 mm	DC 2-wire NC	10–60 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-020DB-Q4-K	Flush	2 mm	DC 2-wire NC	10–60 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-020DB-Q4	Flush	2 mm	DC 2-wire NC	10–60 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-020DB-P4	Flush	2 mm	DC 2-wire NC	10–60 V DC	M12 pigtail	Nickel-plated brass	Standard
SGI-GP12S-020UA-C2-3W	Flush	2 mm	AC/DC NO	20–250 V AC/DC	2 m cable (3-wire)	Nickel-plated brass	Standard
SGI-GP12S-020UA-Q4	Flush	2 mm	AC/DC NO	20–250 V AC/DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-020UB-C2-3W	Flush	2 mm	AC/DC NC	20–250 V AC/DC	2 m cable (3-wire)	Nickel-plated brass	Standard
SGI-GP12S-020UB-Q4	Flush	2 mm	AC/DC NC	20–250 V AC/DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-040NA-C2-K	Flush	4 mm	NPN NO	10–30 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-040NA-C2-KK	Flush	4 mm	NPN NO	10–30 V DC	2 m cable	Nickel-plated brass	Extra-short (KK)
SGI-GP12S-040NA-C2	Flush	4 mm	NPN NO	10–30 V DC	2 m cable	Not listed	Standard
SGI-GP12S-040NA-Q4-K	Flush	4 mm	NPN NO	10–30 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-040NA-Q4	Flush	4 mm	NPN NO	10–30 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-040NA-C2-K-V36	Flush	4 mm	NPN NO	5–36 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-040NA-Q4-K-V36	Flush	4 mm	NPN NO	5–36 V DC	M12 connector	Nickel-plated brass	Short (K)

Part number	Mounting	Sensing distance	Output	Supply	Connection	Housing	Length
SGI-GP12S-040NA-Q4-V36	Flush	4 mm	NPN NO	5–36 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-040NA-C2-K-V55	Flush	4 mm	NPN NO	10–55 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-040NA-C2-V55	Flush	4 mm	NPN NO	10–55 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-040NA-Q4-K-V55	Flush	4 mm	NPN NO	10–55 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-040NA-Q4-V55	Flush	4 mm	NPN NO	10–55 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-040NB-C2-K	Flush	4 mm	NPN NC	10–30 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-040NB-C2-KK	Flush	4 mm	NPN NC	10–30 V DC	2 m cable	Nickel-plated brass	Extra-short (KK)
SGI-GP12S-040NB-C2	Flush	4 mm	NPN NC	10–30 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-040NB-Q4-K	Flush	4 mm	NPN NC	10–30 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-040NB-Q4	Flush	4 mm	NPN NC	10–30 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-040NB-C2-K-V36	Flush	4 mm	NPN NC	5–36 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-040NB-C2-V36	Flush	4 mm	NPN NC	5–36 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-040NB-Q4-K-V36	Flush	4 mm	NPN NC	5–36 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-040NB-Q4-V36	Flush	4 mm	NPN NC	5–36 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-040NB-C2-K-V55	Flush	4 mm	NPN NC	10–55 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-040NB-C2-V55	Flush	4 mm	NPN NC	10–55 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-040NB-Q4-K-V55	Flush	4 mm	NPN NC	10–55 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-040NB-Q4-V55	Flush	4 mm	NPN NC	10–55 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-040NC-C2-K	Flush	4 mm	NPN NO + NC	10–30 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-040NC-C2	Flush	4 mm	NPN NO + NC	10–30 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-040NC-Q4-K	Flush	4 mm	NPN NO + NC	10–30 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-040NC-Q4	Flush	4 mm	NPN NO + NC	10–30 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-040NC-C2-K-V36	Flush	4 mm	NPN NO + NC	5–36 V DC	2 m cable	Nickel-plated brass	Short (K)

Part number	Mounting	Sensing distance	Output	Supply	Connection	Housing	Length
SGI-GP12S-040NC-C2-V36	Flush	4 mm	NPN NO + NC	5–36 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-040NC-Q4-K-V36	Flush	4 mm	NPN NO + NC	5–36 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-040NC-Q4-V36	Flush	4 mm	NPN NO + NC	5–36 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-040PA-C2-K	Flush	4 mm	PNP NO	10–30 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-040PA-C2-KK	Flush	4 mm	PNP NO	10–30 V DC	2 m cable	Nickel-plated brass	Extra-short (KK)
SGI-GP12S-040PA-C2	Flush	4 mm	PNP NO	10–30 V DC	2 m cable	Not listed	Standard
SGI-GP12S-040PA-Q4-KK	Flush	4 mm	PNP NO	10–30 V DC	M12 connector	Nickel-plated brass	Extra-short (KK)
SGI-GP12S-040PA-Q4	Flush	4 mm	PNP NO	10–30 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-040PA-C2-K-V36	Flush	4 mm	PNP NO	5–36 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-040PA-C2-V36	Flush	4 mm	PNP NO	5–36 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-040PA-Q4-K-V36	Flush	4 mm	PNP NO	5–36 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-040PA-Q4-V36	Flush	4 mm	PNP NO	5–36 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-040PA-C2-K-V55	Flush	4 mm	PNP NO	10–55 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-040PA-C2-V55	Flush	4 mm	PNP NO	10–55 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-040PA-Q4-K-V55	Flush	4 mm	PNP NO	10–55 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-040PA-Q4-V55	Flush	4 mm	PNP NO	10–55 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-040PB-C2-K	Flush	4 mm	PNP NC	10–30 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-040PB-C2-KK	Flush	4 mm	PNP NC	10–30 V DC	2 m cable	Nickel-plated brass	Extra-short (KK)
SGI-GP12S-040PB-C2	Flush	4 mm	PNP NC	10–30 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-040PB-Q4-K	Flush	4 mm	PNP NC	10–30 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-040PB-Q4	Flush	4 mm	PNP NC	10–30 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-040PB-C2-K-V36	Flush	4 mm	PNP NC	5–36 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-040PB-C2-V36	Flush	4 mm	PNP NC	5–36 V DC	2 m cable	Nickel-plated brass	Standard

Part number	Mounting	Sensing distance	Output	Supply	Connection	Housing	Length
SGI-GP12S-040PB-Q4-K-V36	Flush	4 mm	PNP NC	5–36 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-040PB-Q4-V36	Flush	4 mm	PNP NC	5–36 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-040PB-C2-K-V55	Flush	4 mm	PNP NC	10–55 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-040PB-C2-V55	Flush	4 mm	PNP NC	10–55 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-040PB-Q4-K-V55	Flush	4 mm	PNP NC	10–55 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-040PB-Q4-V55	Flush	4 mm	PNP NC	10–55 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-040PC-C2-K	Flush	4 mm	PNP NO + NC	10–30 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-040PC-C2	Flush	4 mm	PNP NO + NC	10–30 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-040PC-Q4-K	Flush	4 mm	PNP NO + NC	10–30 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-040PC-Q4	Flush	4 mm	PNP NO + NC	10–30 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-040PC-C2-K-V36	Flush	4 mm	PNP NO + NC	5–36 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-040PC-C2-V36	Flush	4 mm	PNP NO + NC	5–36 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-040PC-Q4-K-V36	Flush	4 mm	PNP NO + NC	5–36 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-040PC-Q4-V36	Flush	4 mm	PNP NO + NC	5–36 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-040DA-C2-K	Flush	4 mm	DC 2-wire NO	10–60 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-040DA-C2	Flush	4 mm	DC 2-wire NO	10–60 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-040DA-Q4-K	Flush	4 mm	DC 2-wire NO	10–60 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-040DA-Q4	Flush	4 mm	DC 2-wire NO	10–60 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-040DB-C2-K	Flush	4 mm	DC 2-wire NC	10–60 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-040DB-C2	Flush	4 mm	DC 2-wire NC	10–60 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-040DB-Q4-K	Flush	4 mm	DC 2-wire NC	10–60 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-040DB-Q4	Flush	4 mm	DC 2-wire NC	10–60 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-040UA-C2-3W	Flush	4 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
SGI-GP12S-040UA-Q4	Flush	4 mm	AC/DC NO	20–250 V AC/DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-040UB-C2-3W	Flush	4 mm	AC/DC NC	20–250 V AC/DC	2 m cable (3-wire)	Nickel-plated brass	Standard
SGI-GP12S-040UB-Q4	Flush	4 mm	AC/DC NC	20–250 V AC/DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-060PB-C2-KK	Flush	6 mm	PNP NC	10–30 V DC	2 m cable	Nickel-plated brass	Extra-short (KK)
SGI-GP12S-060NA-C2-K	Semi-flush	6 mm	NPN NO	10–30 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-060NA-C2-KK	Semi-flush	6 mm	NPN NO	10–30 V DC	2 m cable	Nickel-plated brass	Extra-short (KK)
SGI-GP12S-060NA-C2	Semi-flush	6 mm	NPN NO	10–30 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-060NA-Q4-K	Semi-flush	6 mm	NPN NO	10–30 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-060NA-Q4	Semi-flush	6 mm	NPN NO	10–30 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-060NA-C2-K-V36	Semi-flush	6 mm	NPN NO	5–36 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-060NA-C2-V36	Semi-flush	6 mm	NPN NO	5–36 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-060NA-Q4-K-V36	Semi-flush	6 mm	NPN NO	5–36 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-060NA-Q4-V36	Semi-flush	6 mm	NPN NO	5–36 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-060NA-C2-K-V55	Semi-flush	6 mm	NPN NO	10–55 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-060NA-C2-V55	Semi-flush	6 mm	NPN NO	10–55 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-060NA-Q4-K-V55	Semi-flush	6 mm	NPN NO	10–55 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-060NA-Q4-V55	Semi-flush	6 mm	NPN NO	10–55 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-060NB-C2-K	Semi-flush	6 mm	NPN NC	10–30 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-060NB-C2-KK	Semi-flush	6 mm	NPN NC	10–30 V DC	2 m cable	Nickel-plated brass	Extra-short (KK)
SGI-GP12S-060NB-C2	Semi-flush	6 mm	NPN NC	10–30 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-060NB-Q4-K	Semi-flush	6 mm	NPN NC	10–30 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-060NB-Q4	Semi-flush	6 mm	NPN NC	10–30 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-060NB-C2-K-V36	Semi-flush	6 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
SGI-GP12S-060NB-C2-V36	Semi-flush	6 mm	NPN NC	5–36 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-060NB-Q4-K-V36	Semi-flush	6 mm	NPN NC	5–36 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-060NB-Q4-V36	Semi-flush	6 mm	NPN NC	5–36 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-060NB-C2-K-V55	Semi-flush	6 mm	NPN NC	10–55 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-060NB-C2-V55	Semi-flush	6 mm	NPN NC	10–55 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-060NB-Q4-K-V55	Semi-flush	6 mm	NPN NC	10–55 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-060NB-Q4-V55	Semi-flush	6 mm	NPN NC	10–55 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-060NC-C2-K	Semi-flush	6 mm	NPN NO + NC	10–30 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-060NC-C2	Semi-flush	6 mm	NPN NO + NC	10–30 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-060NC-Q4-K	Semi-flush	6 mm	NPN NO + NC	10–30 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-060NC-Q4	Semi-flush	6 mm	NPN NO + NC	10–30 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-060NC-C2-K-V36	Semi-flush	6 mm	NPN NO + NC	5–36 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-060NC-C2-V36	Semi-flush	6 mm	NPN NO + NC	5–36 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-060NC-Q4-K-V36	Semi-flush	6 mm	NPN NO + NC	5–36 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-060NC-Q4-V36	Semi-flush	6 mm	NPN NO + NC	5–36 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-060PA-C2-K	Semi-flush	6 mm	PNP NO	10–30 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-060PA-C2-KK	Semi-flush	6 mm	PNP NO	10–30 V DC	2 m cable	Nickel-plated brass	Extra-short (KK)
SGI-GP12S-060PA-C2	Semi-flush	6 mm	PNP NO	10–30 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-060PA-Q4-K	Semi-flush	6 mm	PNP NO	10–30 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-060PA-Q4	Semi-flush	6 mm	PNP NO	10–30 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-060PA-C2-K-V36	Semi-flush	6 mm	PNP NO	5–36 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-060PA-C2-V36	Semi-flush	6 mm	PNP NO	5–36 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-060PA-Q4-K-V36	Semi-flush	6 mm	PNP NO	5–36 V DC	M12 connector	Nickel-plated brass	Short (K)

Part number	Mounting	Sensing distance	Output	Supply	Connection	Housing	Length
SGI-GP12S-060PA-Q4-V36	Semi-flush	6 mm	PNP NO	5–36 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-060PA-C2-K-V55	Semi-flush	6 mm	PNP NO	10–55 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-060PA-C2-V55	Semi-flush	6 mm	PNP NO	10–55 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-060PA-Q4-K-V55	Semi-flush	6 mm	PNP NO	10–55 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-060PA-Q4-V55	Semi-flush	6 mm	PNP NO	10–55 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-060PB-C2-K	Semi-flush	6 mm	PNP NC	10–30 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-060PB-C2	Semi-flush	6 mm	PNP NC	10–30 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-060PB-Q4-K	Semi-flush	6 mm	PNP NC	10–30 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-060PB-Q4	Semi-flush	6 mm	PNP NC	10–30 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-060PB-C2-K-V36	Semi-flush	6 mm	PNP NC	5–36 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-060PB-C2-V36	Semi-flush	6 mm	PNP NC	5–36 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-060PB-Q4-K-V36	Semi-flush	6 mm	PNP NC	5–36 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-060PB-Q4-V36	Semi-flush	6 mm	PNP NC	5–36 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-060PB-C2-K-V55	Semi-flush	6 mm	PNP NC	10–55 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-060PB-C2-V55	Semi-flush	6 mm	PNP NC	10–55 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-060PB-Q4-K-V55	Semi-flush	6 mm	PNP NC	10–55 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-060PB-Q4-V55	Semi-flush	6 mm	PNP NC	10–55 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-060PC-C2-K	Semi-flush	6 mm	PNP NO + NC	10–30 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-060PC-C2	Semi-flush	6 mm	PNP NO + NC	10–30 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-060PC-Q4-K	Semi-flush	6 mm	PNP NO + NC	10–30 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-060PC-Q4	Semi-flush	6 mm	PNP NO + NC	10–30 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-060PC-C2-K-V36	Semi-flush	6 mm	PNP NO + NC	5–36 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-060PC-C2-V36	Semi-flush	6 mm	PNP NO + NC	5–36 V DC	2 m cable	Nickel-plated brass	Standard

Part number	Mounting	Sensing distance	Output	Supply	Connection	Housing	Length
SGI-GP12S-060PC-Q4-K-V36	Semi-flush	6 mm	PNP NO + NC	5–36 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-060PC-Q4-V36	Semi-flush	6 mm	PNP NO + NC	5–36 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-060DA-C2-K	Semi-flush	6 mm	DC 2-wire NO	10–60 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-060DA-C2	Semi-flush	6 mm	DC 2-wire NO	10–60 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-060DA-Q4-K	Semi-flush	6 mm	DC 2-wire NO	10–60 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-060DA-Q4	Semi-flush	6 mm	DC 2-wire NO	10–60 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-060DB-C2-K	Semi-flush	6 mm	DC 2-wire NC	10–60 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-060DB-C2	Semi-flush	6 mm	DC 2-wire NC	10–60 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-060DB-Q4-K	Semi-flush	6 mm	DC 2-wire NC	10–60 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-060DB-Q4	Semi-flush	6 mm	DC 2-wire NC	10–60 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-080NA-C2-K	Semi-flush	8 mm	NPN NO	10–30 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-080NA-C2	Semi-flush	8 mm	NPN NO	10–30 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-080NA-Q4-K	Semi-flush	8 mm	NPN NO	10–30 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-080NA-Q4	Semi-flush	8 mm	NPN NO	10–30 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-080NA-C2-K-V36	Semi-flush	8 mm	NPN NO	5–36 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-080NA-C2-V36	Semi-flush	8 mm	NPN NO	5–36 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-080NA-Q4-K-V36	Semi-flush	8 mm	NPN NO	5–36 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-080NA-Q4-V36	Semi-flush	8 mm	NPN NO	5–36 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-080NA-C2-K-V55	Semi-flush	8 mm	NPN NO	10–55 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-080NA-C2-V55	Semi-flush	8 mm	NPN NO	10–55 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-080NA-Q4-K-V55	Semi-flush	8 mm	NPN NO	10–55 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-080NA-Q4-V55	Semi-flush	8 mm	NPN NO	10–55 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-080NB-C2-K	Semi-flush	8 mm	NPN NC	10–30 V DC	2 m cable	Nickel-plated brass	Short (K)

Part number	Mounting	Sensing distance	Output	Supply	Connection	Housing	Length
SGI-GP12S-080NB-C2	Semi-flush	8 mm	NPN NC	10–30 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-080NB-Q4-K	Semi-flush	8 mm	NPN NC	10–30 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-080NB-Q4	Semi-flush	8 mm	NPN NC	10–30 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-080NB-C2-K-V36	Semi-flush	8 mm	NPN NC	5–36 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-080NB-C2-V36	Semi-flush	8 mm	NPN NC	5–36 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-080NB-Q4-K-V36	Semi-flush	8 mm	NPN NC	5–36 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-080NB-Q4-V36	Semi-flush	8 mm	NPN NC	5–36 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-080NB-C2-K-V55	Semi-flush	8 mm	NPN NC	10–55 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-080NB-C2-V55	Semi-flush	8 mm	NPN NC	10–55 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-080NB-Q4-K-V55	Semi-flush	8 mm	NPN NC	10–55 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-080NB-Q4-V55	Semi-flush	8 mm	NPN NC	10–55 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-080NC-C2-K	Semi-flush	8 mm	NPN NO + NC	10–30 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-080NC-C2	Semi-flush	8 mm	NPN NO + NC	10–30 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-080NC-Q4-K	Semi-flush	8 mm	NPN NO + NC	10–30 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-080NC-Q4	Semi-flush	8 mm	NPN NO + NC	10–30 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-080NC-C2-K-V36	Semi-flush	8 mm	NPN NO + NC	5–36 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-080NC-C2-V36	Semi-flush	8 mm	NPN NO + NC	5–36 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-080NC-Q4-K-V36	Semi-flush	8 mm	NPN NO + NC	5–36 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-080NC-Q4-V36	Semi-flush	8 mm	NPN NO + NC	5–36 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-080PA-C2-K	Semi-flush	8 mm	PNP NO	10–30 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-080PA-C2	Semi-flush	8 mm	PNP NO	10–30 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-080PA-Q4-K	Semi-flush	8 mm	PNP NO	10–30 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-080PA-Q4	Semi-flush	8 mm	PNP NO	10–30 V DC	M12 connector	Nickel-plated brass	Standard

Part number	Mounting	Sensing distance	Output	Supply	Connection	Housing	Length
SGI-GP12S-080PA-C2-K-V36	Semi-flush	8 mm	PNP NO	5–36 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-080PA-C2-V36	Semi-flush	8 mm	PNP NO	5–36 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-080PA-Q4-K-V36	Semi-flush	8 mm	PNP NO	5–36 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-080PA-Q4-V36	Semi-flush	8 mm	PNP NO	5–36 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-080PA-C2-K-V55	Semi-flush	8 mm	PNP NO	10–55 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-080PA-C2-V55	Semi-flush	8 mm	PNP NO	10–55 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-080PA-Q4-K-V55	Semi-flush	8 mm	PNP NO	10–55 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-080PA-Q4-V55	Semi-flush	8 mm	PNP NO	10–55 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-080PB-C2-K	Semi-flush	8 mm	PNP NC	10–30 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-080PB-C2	Semi-flush	8 mm	PNP NC	10–30 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-080PB-Q4-K	Semi-flush	8 mm	PNP NC	10–30 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-080PB-Q4	Semi-flush	8 mm	PNP NC	10–30 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-080PB-C2-K-V36	Semi-flush	8 mm	PNP NC	5–36 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-080PB-C2-V36	Semi-flush	8 mm	PNP NC	5–36 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-080PB-Q4-K-V36	Semi-flush	8 mm	PNP NC	5–36 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-080PB-Q4-V36	Semi-flush	8 mm	PNP NC	5–36 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-080PB-C2-K-V55	Semi-flush	8 mm	PNP NC	10–55 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-080PB-C2-V55	Semi-flush	8 mm	PNP NC	10–55 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-080PB-Q4-K-V55	Semi-flush	8 mm	PNP NC	10–55 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-080PB-Q4-V55	Semi-flush	8 mm	PNP NC	10–55 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-080PC-C2-K	Semi-flush	8 mm	PNP NO + NC	10–30 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-080PC-C2	Semi-flush	8 mm	PNP NO + NC	10–30 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-080PC-Q4-K	Semi-flush	8 mm	PNP NO + NC	10–30 V DC	M12 connector	Nickel-plated brass	Short (K)

Part number	Mounting	Sensing distance	Output	Supply	Connection	Housing	Length
SGI-GP12S-080PC-Q4	Semi-flush	8 mm	PNP NO + NC	10–30 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-080PC-C2-K-V36	Semi-flush	8 mm	PNP NO + NC	5–36 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-080PC-C2-V36	Semi-flush	8 mm	PNP NO + NC	5–36 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-080PC-Q4-K-V36	Semi-flush	8 mm	PNP NO + NC	5–36 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-080PC-Q4-V36	Semi-flush	8 mm	PNP NO + NC	5–36 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-080DA-C2-K	Semi-flush	8 mm	DC 2-wire NO	10–60 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-080DA-C2	Semi-flush	8 mm	DC 2-wire NO	10–60 V DC	2 m cable	PTFE-coated brass	Standard
SGI-GP12S-080DA-Q4-K	Semi-flush	8 mm	DC 2-wire NO	10–60 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-080DA-Q4	Semi-flush	8 mm	DC 2-wire NO	10–60 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12S-080DB-C2-K	Semi-flush	8 mm	DC 2-wire NC	10–60 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12S-080DB-C2	Semi-flush	8 mm	DC 2-wire NC	10–60 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12S-080DB-Q4-K	Semi-flush	8 mm	DC 2-wire NC	10–60 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12S-080DB-Q4	Semi-flush	8 mm	DC 2-wire NC	10–60 V DC	M12 connector	Nickel-plated brass	Standard

Questions and answers

What does flush mean for an M12 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 6 / 8 mm; check the mounting clearances on the dimension drawing.

Which sensing distances are available?

This family has 329 part numbers with these rated sensing distances: 2 / 4 / 6 / 8 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/DC.

Which connections are available?

Connection options: 2 m cable (159 models), M12 connector (148 models), M12 pigtail (22 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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