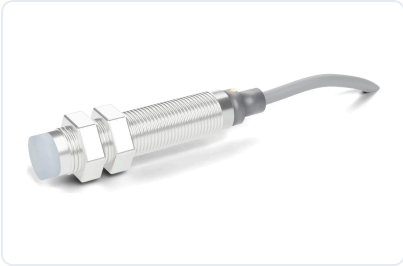


M12 Non-Flush Inductive Proximity Sensors 4–12 mm



M12 non-flush inductive proximity sensors. Rated sensing distances 4 / 8 / 10 / 12 mm; NPN, PNP, DC 2-wire, AC/DC outputs; 2 m cable, M12 connector, M12 pigtail. 327 part numbers, each a fixed SEGMENTsensor order code.

Sensing distance **4–12 mm** Outputs **NPN • PNP • DC 2-wire • AC/DC**

Connection **2 m cable • M12 connector • M12 pigtail** Part numbers **327**

Key facts

- Rated sensing distances: 4 / 8 / 10 / 12 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. 67 NPN/PNP models have complementary NO + NC outputs.
- Connections: 2 m cable (159), M12 connector (147), M12 pigtail (21). Housing: Nickel-plated brass. 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

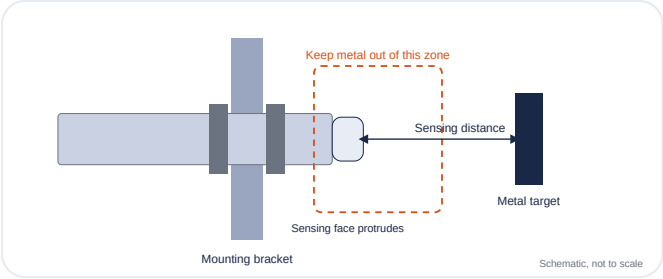
Housing	M12 thread, Nickel-plated brass
Mounting	Non-flush (non-embeddable)
Rated sensing distance	4 / 8 / 10 / 12 mm
Outputs	NPN, PNP, DC 2-wire, AC/DC
Supply	10–30 V DC, 5–36 V DC, 10–55 V DC, 10–60 V DC, 20–250 V AC/DC
Connection	2 m cable, M12 connector, M12 pigtail
Housing length	Standard, Short (K), Extra-short (KK)
Other electrical data	Per part-number datasheet, sent with the quotation

Reading the part number

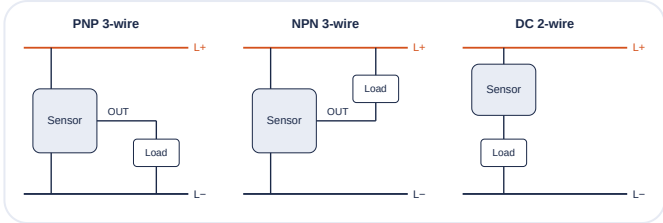
SGI - GP12U - 100PA - C2 - K - V36

- | | | | |
|----------------|--|------------|--|
| SGI | SEGMENTsensor inductive | GP | General-purpose series |
| 12 • U | M12 non-flush (S = flush) | 100 | Sensing distance in 0.1 mm: 10 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	Sensing distance	Output	Supply	Connection	Housing	Length
SGI-GP12U-040NA-C2-K	4 mm	NPN NO	10–30 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-040NA-C2-KK	4 mm	NPN NO	10–30 V DC	2 m cable	Nickel-plated brass	Extra-short (KK)
SGI-GP12U-040NA-C2	4 mm	NPN NO	10–30 V DC	2 m cable	Not listed	Standard
SGI-GP12U-040NA-Q4-K	4 mm	NPN NO	10–30 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-040NA-Q4	4 mm	NPN NO	10–30 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-040NA-P4-KK	4 mm	NPN NO	10–30 V DC	M12 pigtail	Nickel-plated brass	Extra-short (KK)
SGI-GP12U-040NA-P4	4 mm	NPN NO	10–30 V DC	M12 pigtail	Nickel-plated brass	Standard
SGI-GP12U-040NA-C2-K-V36	4 mm	NPN NO	5–36 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-040NA-C2-V36	4 mm	NPN NO	5–36 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-040NA-Q4-K-V36	4 mm	NPN NO	5–36 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-040NA-Q4-V36	4 mm	NPN NO	5–36 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-040NA-P4-V36	4 mm	NPN NO	5–36 V DC	M12 pigtail	Nickel-plated brass	Standard
SGI-GP12U-040NA-C2-K-V55	4 mm	NPN NO	10–55 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-040NA-C2-V55	4 mm	NPN NO	10–55 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-040NA-Q4-K-V55	4 mm	NPN NO	10–55 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-040NA-Q4-V55	4 mm	NPN NO	10–55 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-040NA-P4-V55	4 mm	NPN NO	10–55 V DC	M12 pigtail	Nickel-plated brass	Standard

Part number	Sensing distance	Output	Supply	Connection	Housing	Length
SGI-GP12U-040NB-C2-K	4 mm	NPN NC	10–30 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-040NB-C2-KK	4 mm	NPN NC	10–30 V DC	2 m cable	Nickel-plated brass	Extra-short (KK)
SGI-GP12U-040NB-C2	4 mm	NPN NC	10–30 V DC	2 m cable	Not listed	Standard
SGI-GP12U-040NB-Q4-K	4 mm	NPN NC	10–30 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-040NB-Q4	4 mm	NPN NC	10–30 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-040NB-P4-KK	4 mm	NPN NC	10–30 V DC	M12 pigtail	Nickel-plated brass	Extra-short (KK)
SGI-GP12U-040NB-P4	4 mm	NPN NC	10–30 V DC	M12 pigtail	Nickel-plated brass	Standard
SGI-GP12U-040NB-C2-K-V36	4 mm	NPN NC	5–36 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-040NB-C2-V36	4 mm	NPN NC	5–36 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-040NB-Q4-K-V36	4 mm	NPN NC	5–36 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-040NB-Q4-V36	4 mm	NPN NC	5–36 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-040NB-P4-V36	4 mm	NPN NC	5–36 V DC	M12 pigtail	Nickel-plated brass	Standard
SGI-GP12U-040NB-C2-K-V55	4 mm	NPN NC	10–55 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-040NB-C2-V55	4 mm	NPN NC	10–55 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-040NB-Q4-K-V55	4 mm	NPN NC	10–55 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-040NB-Q4-V55	4 mm	NPN NC	10–55 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-040NB-P4-V55	4 mm	NPN NC	10–55 V DC	M12 pigtail	Nickel-plated brass	Standard
SGI-GP12U-040NC-C2-K	4 mm	NPN NO + NC	10–30 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-040NC-C2	4 mm	NPN NO + NC	10–30 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-040NC-Q4-K	4 mm	NPN NO + NC	10–30 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-040NC-Q4	4 mm	NPN NO + NC	10–30 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-040NC-P4	4 mm	NPN NO + NC	10–30 V DC	M12 pigtail	Nickel-plated brass	Standard
SGI-GP12U-040NC-C2-K-V36	4 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-GP12U-040NC-C2-V36	4 mm	NPN NO + NC	5–36 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-040NC-Q4-K-V36	4 mm	NPN NO + NC	5–36 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-040NC-Q4-V36	4 mm	NPN NO + NC	5–36 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-040NC-P4-V36	4 mm	NPN NO + NC	5–36 V DC	M12 pigtail	Nickel-plated brass	Standard
SGI-GP12U-040PA-C2-K	4 mm	PNP NO	10–30 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-040PA-C2-KK	4 mm	PNP NO	10–30 V DC	2 m cable	Nickel-plated brass	Extra-short (KK)
SGI-GP12U-040PA-C2	4 mm	PNP NO	10–30 V DC	2 m cable	Not listed	Standard
SGI-GP12U-040PA-Q4-K	4 mm	PNP NO	10–30 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-040PA-Q4	4 mm	PNP NO	10–30 V DC	M12 connector	Not listed	Standard
SGI-GP12U-040PA-P4-KK	4 mm	PNP NO	10–30 V DC	M12 pigtail	Nickel-plated brass	Extra-short (KK)
SGI-GP12U-040PA-P4	4 mm	PNP NO	10–30 V DC	M12 pigtail	Nickel-plated brass	Standard
SGI-GP12U-040PA-C2-K-V36	4 mm	PNP NO	5–36 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-040PA-C2-V36	4 mm	PNP NO	5–36 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-040PA-Q4-K-V36	4 mm	PNP NO	5–36 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-040PA-Q4-V36	4 mm	PNP NO	5–36 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-040PA-P4-V36	4 mm	PNP NO	5–36 V DC	M12 pigtail	Nickel-plated brass	Standard
SGI-GP12U-040PA-C2-K-V55	4 mm	PNP NO	10–55 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-040PA-C2-V55	4 mm	PNP NO	10–55 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-040PA-Q4-K-V55	4 mm	PNP NO	10–55 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-040PA-Q4-V55	4 mm	PNP NO	10–55 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-040PA-P4-V55	4 mm	PNP NO	10–55 V DC	M12 pigtail	Nickel-plated brass	Standard
SGI-GP12U-040PB-C2-K	4 mm	PNP NC	10–30 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-040PB-C2-KK	4 mm	PNP NC	10–30 V DC	2 m cable	Nickel-plated brass	Extra-short (KK)
SGI-GP12U-040PB-C2	4 mm	PNP NC	10–30 V DC	2 m cable	Nickel-plated brass	Standard

Part number	Sensing distance	Output	Supply	Connection	Housing	Length
SGI-GP12U-040PB-Q4-K	4 mm	PNP NC	10–30 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-040PB-Q4	4 mm	PNP NC	10–30 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-040PB-P4-KK	4 mm	PNP NC	10–30 V DC	M12 pigtail	Nickel-plated brass	Extra-short (KK)
SGI-GP12U-040PB-P4	4 mm	PNP NC	10–30 V DC	M12 pigtail	Nickel-plated brass	Standard
SGI-GP12U-040PB-C2-K-V36	4 mm	PNP NC	5–36 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-040PB-C2-V36	4 mm	PNP NC	5–36 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-040PB-Q4-K-V36	4 mm	PNP NC	5–36 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-040PB-Q4-V36	4 mm	PNP NC	5–36 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-040PB-P4-V36	4 mm	PNP NC	5–36 V DC	M12 pigtail	Nickel-plated brass	Standard
SGI-GP12U-040PB-C2-K-V55	4 mm	PNP NC	10–55 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-040PB-C2-V55	4 mm	PNP NC	10–55 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-040PB-Q4-K-V55	4 mm	PNP NC	10–55 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-040PB-Q4-V55	4 mm	PNP NC	10–55 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-040PB-P4-V55	4 mm	PNP NC	10–55 V DC	M12 pigtail	Nickel-plated brass	Standard
SGI-GP12U-040PC-C2-K	4 mm	PNP NO + NC	10–30 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-040PC-C2	4 mm	PNP NO + NC	10–30 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-040PC-Q4-K	4 mm	PNP NO + NC	10–30 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-040PC-Q4	4 mm	PNP NO + NC	10–30 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-040PC-C2-K-V36	4 mm	PNP NO + NC	5–36 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-040PC-C2-V36	4 mm	PNP NO + NC	5–36 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-040PC-Q4-K-V36	4 mm	PNP NO + NC	5–36 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-040PC-Q4-V36	4 mm	PNP NO + NC	5–36 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-040PC-P4-V36	4 mm	PNP NO + NC	5–36 V DC	M12 pigtail	Nickel-plated brass	Standard

Part number	Sensing distance	Output	Supply	Connection	Housing	Length
SGI-GP12U-040DA-C2-K	4 mm	DC 2-wire NO	10–60 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-040DA-C2	4 mm	DC 2-wire NO	10–60 V DC	2 m cable	Not listed	Standard
SGI-GP12U-040DA-Q4-K	4 mm	DC 2-wire NO	10–60 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-040DA-Q4	4 mm	DC 2-wire NO	10–60 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-040DA-P4	4 mm	DC 2-wire NO	10–60 V DC	M12 pigtail	Nickel-plated brass	Standard
SGI-GP12U-040DB-C2-K	4 mm	DC 2-wire NC	10–60 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-040DB-C2	4 mm	DC 2-wire NC	10–60 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-040DB-Q4-K	4 mm	DC 2-wire NC	10–60 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-040DB-Q4	4 mm	DC 2-wire NC	10–60 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-040DB-P4	4 mm	DC 2-wire NC	10–60 V DC	M12 pigtail	Nickel-plated brass	Standard
SGI-GP12U-040UA-Q4	4 mm	AC/DC NO	20–250 V AC/DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-040UB-C2-3W	4 mm	AC/DC NC	20–250 V AC/DC	2 m cable (3-wire)	Nickel-plated brass	Standard
SGI-GP12U-040UB-Q4	4 mm	AC/DC NC	20–250 V AC/DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-080NA-C2-K	8 mm	NPN NO	10–30 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-080NA-C2-KK	8 mm	NPN NO	10–30 V DC	2 m cable	Nickel-plated brass	Extra-short (KK)
SGI-GP12U-080NA-C2	8 mm	NPN NO	10–30 V DC	2 m cable	Not listed	Standard
SGI-GP12U-080NA-Q4-K	8 mm	NPN NO	10–30 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-080NA-Q4	8 mm	NPN NO	10–30 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-080NA-C2-K-V36	8 mm	NPN NO	5–36 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-080NA-C2-V36	8 mm	NPN NO	5–36 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-080NA-Q4-K-V36	8 mm	NPN NO	5–36 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-080NA-Q4-V36	8 mm	NPN NO	5–36 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-080NA-C2-K-V55	8 mm	NPN NO	10–55 V DC	2 m cable	Nickel-plated brass	Short (K)

Part number	Sensing distance	Output	Supply	Connection	Housing	Length
SGI-GP12U-080NA-C2-V55	8 mm	NPN NO	10–55 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-080NA-Q4-K-V55	8 mm	NPN NO	10–55 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-080NA-Q4-V55	8 mm	NPN NO	10–55 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-080NB-C2-K	8 mm	NPN NC	10–30 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-080NB-C2-KK	8 mm	NPN NC	10–30 V DC	2 m cable	Nickel-plated brass	Extra-short (KK)
SGI-GP12U-080NB-C2	8 mm	NPN NC	10–30 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-080NB-Q4-K	8 mm	NPN NC	10–30 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-080NB-Q4	8 mm	NPN NC	10–30 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-080NB-C2-K-V36	8 mm	NPN NC	5–36 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-080NB-C2-V36	8 mm	NPN NC	5–36 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-080NB-Q4-K-V36	8 mm	NPN NC	5–36 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-080NB-Q4-V36	8 mm	NPN NC	5–36 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-080NB-C2-K-V55	8 mm	NPN NC	10–55 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-080NB-C2-V55	8 mm	NPN NC	10–55 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-080NB-Q4-K-V55	8 mm	NPN NC	10–55 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-080NB-Q4-V55	8 mm	NPN NC	10–55 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-080NC-C2-K	8 mm	NPN NO + NC	10–30 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-080NC-C2	8 mm	NPN NO + NC	10–30 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-080NC-Q4-K	8 mm	NPN NO + NC	10–30 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-080NC-Q4	8 mm	NPN NO + NC	10–30 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-080NC-C2-K-V36	8 mm	NPN NO + NC	5–36 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-080NC-C2-V36	8 mm	NPN NO + NC	5–36 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-080NC-Q4-K-V36	8 mm	NPN NO + NC	5–36 V DC	M12 connector	Nickel-plated brass	Short (K)

Part number	Sensing distance	Output	Supply	Connection	Housing	Length
SGI-GP12U-080NC-Q4-V36	8 mm	NPN NO + NC	5–36 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-080PA-C2-K	8 mm	PNP NO	10–30 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-080PA-C2-KK	8 mm	PNP NO	10–30 V DC	2 m cable	Nickel-plated brass	Extra-short (KK)
SGI-GP12U-080PA-C2	8 mm	PNP NO	10–30 V DC	2 m cable	Not listed	Standard
SGI-GP12U-080PA-Q4-K	8 mm	PNP NO	10–30 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-080PA-Q4	8 mm	PNP NO	10–30 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-080PA-C2-K-V36	8 mm	PNP NO	5–36 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-080PA-C2-V36	8 mm	PNP NO	5–36 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-080PA-Q4-K-V36	8 mm	PNP NO	5–36 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-080PA-Q4-V36	8 mm	PNP NO	5–36 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-080PA-C2-K-V55	8 mm	PNP NO	10–55 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-080PA-C2-V55	8 mm	PNP NO	10–55 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-080PA-Q4-K-V55	8 mm	PNP NO	10–55 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-080PA-Q4-V55	8 mm	PNP NO	10–55 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-080PB-C2-K	8 mm	PNP NC	10–30 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-080PB-C2-KK	8 mm	PNP NC	10–30 V DC	2 m cable	Nickel-plated brass	Extra-short (KK)
SGI-GP12U-080PB-C2	8 mm	PNP NC	10–30 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-080PB-Q4-K	8 mm	PNP NC	10–30 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-080PB-Q4	8 mm	PNP NC	10–30 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-080PB-C2-K-V36	8 mm	PNP NC	5–36 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-080PB-C2-V36	8 mm	PNP NC	5–36 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-080PB-Q4-K-V36	8 mm	PNP NC	5–36 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-080PB-Q4-V36	8 mm	PNP NC	5–36 V DC	M12 connector	Nickel-plated brass	Standard

Part number	Sensing distance	Output	Supply	Connection	Housing	Length
SGI-GP12U-080PB-C2-K-V55	8 mm	PNP NC	10–55 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-080PB-C2-V55	8 mm	PNP NC	10–55 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-080PB-Q4-K-V55	8 mm	PNP NC	10–55 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-080PB-Q4-V55	8 mm	PNP NC	10–55 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-080PC-C2-K	8 mm	PNP NO + NC	10–30 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-080PC-C2	8 mm	PNP NO + NC	10–30 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-080PC-Q4-K	8 mm	PNP NO + NC	10–30 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-080PC-Q4	8 mm	PNP NO + NC	10–30 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-080PC-C2-K-V36	8 mm	PNP NO + NC	5–36 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-080PC-C2-V36	8 mm	PNP NO + NC	5–36 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-080PC-Q4-K-V36	8 mm	PNP NO + NC	5–36 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-080PC-Q4-V36	8 mm	PNP NO + NC	5–36 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-080DA-C2-K	8 mm	DC 2-wire NO	10–60 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-080DA-C2	8 mm	DC 2-wire NO	10–60 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-080DA-Q4-K	8 mm	DC 2-wire NO	10–60 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-080DA-Q4	8 mm	DC 2-wire NO	10–60 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-080DB-C2-K	8 mm	DC 2-wire NC	10–60 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-080DB-C2	8 mm	DC 2-wire NC	10–60 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-080DB-Q4-K	8 mm	DC 2-wire NC	10–60 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-080DB-Q4	8 mm	DC 2-wire NC	10–60 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-080UA-C2-3W	8 mm	AC/DC NO	20–250 V AC/DC	2 m cable (3-wire)	Nickel-plated brass	Standard
SGI-GP12U-080UB-C2-3W	8 mm	AC/DC NC	20–250 V AC/DC	2 m cable (3-wire)	Nickel-plated brass	Standard
SGI-GP12U-080UB-Q4	8 mm	AC/DC NC	20–250 V AC/DC	M12 connector	Nickel-plated brass	Standard

Part number	Sensing distance	Output	Supply	Connection	Housing	Length
SGI-GP12U-100NA-C2-K	10 mm	NPN NO	10–30 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-100NA-C2-KK	10 mm	NPN NO	10–30 V DC	2 m cable	Nickel-plated brass	Extra-short (KK)
SGI-GP12U-100NA-C2	10 mm	NPN NO	10–30 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-100NA-Q4-K	10 mm	NPN NO	10–30 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-100NA-Q4	10 mm	NPN NO	10–30 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-100NA-C2-K-V36	10 mm	NPN NO	5–36 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-100NA-C2-V36	10 mm	NPN NO	5–36 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-100NA-Q4-K-V36	10 mm	NPN NO	5–36 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-100NA-Q4-V36	10 mm	NPN NO	5–36 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-100NA-C2-K-V55	10 mm	NPN NO	10–55 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-100NA-C2-V55	10 mm	NPN NO	10–55 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-100NA-Q4-K-V55	10 mm	NPN NO	10–55 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-100NA-Q4-V55	10 mm	NPN NO	10–55 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-100NB-C2-K	10 mm	NPN NC	10–30 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-100NB-C2-KK	10 mm	NPN NC	10–30 V DC	2 m cable	Nickel-plated brass	Extra-short (KK)
SGI-GP12U-100NB-C2	10 mm	NPN NC	10–30 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-100NB-Q4-K	10 mm	NPN NC	10–30 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-100NB-Q4	10 mm	NPN NC	10–30 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-100NB-C2-K-V36	10 mm	NPN NC	5–36 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-100NB-C2-V36	10 mm	NPN NC	5–36 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-100NB-Q4-K-V36	10 mm	NPN NC	5–36 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-100NB-Q4-V36	10 mm	NPN NC	5–36 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-100NB-C2-K-V55	10 mm	NPN NC	10–55 V DC	2 m cable	Nickel-plated brass	Short (K)

Part number	Sensing distance	Output	Supply	Connection	Housing	Length
SGI-GP12U-100NB-C2-V55	10 mm	NPN NC	10–55 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-100NB-Q4-K-V55	10 mm	NPN NC	10–55 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-100NB-Q4-V55	10 mm	NPN NC	10–55 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-100NC-C2-K	10 mm	NPN NO + NC	10–30 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-100NC-C2	10 mm	NPN NO + NC	10–30 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-100NC-Q4-K	10 mm	NPN NO + NC	10–30 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-100NC-Q4	10 mm	NPN NO + NC	10–30 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-100NC-C2-K-V36	10 mm	NPN NO + NC	5–36 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-100NC-C2-V36	10 mm	NPN NO + NC	5–36 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-100NC-Q4-K-V36	10 mm	NPN NO + NC	5–36 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-100NC-Q4-V36	10 mm	NPN NO + NC	5–36 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-100PA-C2-K	10 mm	PNP NO	10–30 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-100PA-C2-KK	10 mm	PNP NO	10–30 V DC	2 m cable	Nickel-plated brass	Extra-short (KK)
SGI-GP12U-100PA-C2	10 mm	PNP NO	10–30 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-100PA-Q4-K	10 mm	PNP NO	10–30 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-100PA-Q4	10 mm	PNP NO	10–30 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-100PA-C2-K-V36	10 mm	PNP NO	5–36 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-100PA-C2-V36	10 mm	PNP NO	5–36 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-100PA-Q4-K-V36	10 mm	PNP NO	5–36 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-100PA-Q4-V36	10 mm	PNP NO	5–36 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-100PA-C2-K-V55	10 mm	PNP NO	10–55 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-100PA-C2-V55	10 mm	PNP NO	10–55 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-100PA-Q4-K-V55	10 mm	PNP NO	10–55 V DC	M12 connector	Nickel-plated brass	Short (K)

Part number	Sensing distance	Output	Supply	Connection	Housing	Length
SGI-GP12U-100PA-Q4-V55	10 mm	PNP NO	10–55 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-100PB-C2-K	10 mm	PNP NC	10–30 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-100PB-C2-KK	10 mm	PNP NC	10–30 V DC	2 m cable	Nickel-plated brass	Extra-short (KK)
SGI-GP12U-100PB-C2	10 mm	PNP NC	10–30 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-100PB-Q4-K	10 mm	PNP NC	10–30 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-100PB-Q4	10 mm	PNP NC	10–30 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-100PB-C2-K-V36	10 mm	PNP NC	5–36 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-100PB-C2-V36	10 mm	PNP NC	5–36 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-100PB-Q4-K-V36	10 mm	PNP NC	5–36 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-100PB-Q4-V36	10 mm	PNP NC	5–36 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-100PB-C2-K-V55	10 mm	PNP NC	10–55 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-100PB-C2-V55	10 mm	PNP NC	10–55 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-100PB-Q4-K-V55	10 mm	PNP NC	10–55 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-100PB-Q4-V55	10 mm	PNP NC	10–55 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-100PC-C2-K	10 mm	PNP NO + NC	10–30 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-100PC-C2	10 mm	PNP NO + NC	10–30 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-100PC-Q4-K	10 mm	PNP NO + NC	10–30 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-100PC-Q4	10 mm	PNP NO + NC	10–30 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-100PC-C2-K-V36	10 mm	PNP NO + NC	5–36 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-100PC-C2-V36	10 mm	PNP NO + NC	5–36 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-100PC-Q4-K-V36	10 mm	PNP NO + NC	5–36 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-100PC-Q4-V36	10 mm	PNP NO + NC	5–36 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-100DA-C2-K	10 mm	DC 2-wire NO	10–60 V DC	2 m cable	Nickel-plated brass	Short (K)

Part number	Sensing distance	Output	Supply	Connection	Housing	Length
SGI-GP12U-100DA-C2	10 mm	DC 2-wire NO	10–60 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-100DA-Q4-K	10 mm	DC 2-wire NO	10–60 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-100DA-Q4	10 mm	DC 2-wire NO	10–60 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-100DB-C2-K	10 mm	DC 2-wire NC	10–60 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-100DB-C2	10 mm	DC 2-wire NC	10–60 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-100DB-Q4-K	10 mm	DC 2-wire NC	10–60 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-100DB-Q4	10 mm	DC 2-wire NC	10–60 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-120NA-C2-K	12 mm	NPN NO	10–30 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-120NA-C2	12 mm	NPN NO	10–30 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-120NA-Q4-K	12 mm	NPN NO	10–30 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-120NA-Q4	12 mm	NPN NO	10–30 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-120NA-C2-K-V36	12 mm	NPN NO	5–36 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-120NA-C2-V36	12 mm	NPN NO	5–36 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-120NA-Q4-K-V36	12 mm	NPN NO	5–36 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-120NA-Q4-V36	12 mm	NPN NO	5–36 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-120NA-C2-K-V55	12 mm	NPN NO	10–55 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-120NA-C2-V55	12 mm	NPN NO	10–55 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-120NA-Q4-K-V55	12 mm	NPN NO	10–55 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-120NA-Q4-V55	12 mm	NPN NO	10–55 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-120NB-C2-K	12 mm	NPN NC	10–30 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-120NB-C2	12 mm	NPN NC	10–30 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-120NB-Q4-K	12 mm	NPN NC	10–30 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-120NB-Q4	12 mm	NPN NC	10–30 V DC	M12 connector	Nickel-plated brass	Standard

Part number	Sensing distance	Output	Supply	Connection	Housing	Length
SGI-GP12U-120NB-C2-K-V36	12 mm	NPN NC	5–36 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-120NB-C2-V36	12 mm	NPN NC	5–36 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-120NB-Q4-K-V36	12 mm	NPN NC	5–36 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-120NB-Q4-V36	12 mm	NPN NC	5–36 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-120NB-C2-K-V55	12 mm	NPN NC	10–55 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-120NB-C2-V55	12 mm	NPN NC	10–55 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-120NB-Q4-K-V55	12 mm	NPN NC	10–55 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-120NB-Q4-V55	12 mm	NPN NC	10–55 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-120NC-C2-K	12 mm	NPN NO + NC	10–30 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-120NC-C2	12 mm	NPN NO + NC	10–30 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-120NC-Q4-K	12 mm	NPN NO + NC	10–30 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-120NC-Q4	12 mm	NPN NO + NC	10–30 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-120NC-C2-K-V36	12 mm	NPN NO + NC	5–36 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-120NC-C2-V36	12 mm	NPN NO + NC	5–36 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-120NC-Q4-K-V36	12 mm	NPN NO + NC	5–36 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-120NC-Q4-V36	12 mm	NPN NO + NC	5–36 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-120PA-C2-K	12 mm	PNP NO	10–30 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-120PA-C2	12 mm	PNP NO	10–30 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-120PA-Q4-K	12 mm	PNP NO	10–30 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-120PA-Q4	12 mm	PNP NO	10–30 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-120PA-C2-K-V36	12 mm	PNP NO	5–36 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-120PA-C2-V36	12 mm	PNP NO	5–36 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-120PA-Q4-K-V36	12 mm	PNP NO	5–36 V DC	M12 connector	Nickel-plated brass	Short (K)

Part number	Sensing distance	Output	Supply	Connection	Housing	Length
SGI-GP12U-120PA-Q4-V36	12 mm	PNP NO	5–36 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-120PA-C2-K-V55	12 mm	PNP NO	10–55 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-120PA-C2-V55	12 mm	PNP NO	10–55 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-120PA-Q4-K-V55	12 mm	PNP NO	10–55 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-120PA-Q4-V55	12 mm	PNP NO	10–55 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-120PB-C2-K	12 mm	PNP NC	10–30 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-120PB-C2	12 mm	PNP NC	10–30 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-120PB-Q4-K	12 mm	PNP NC	10–30 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-120PB-Q4	12 mm	PNP NC	10–30 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-120PB-C2-K-V36	12 mm	PNP NC	5–36 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-120PB-C2-V36	12 mm	PNP NC	5–36 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-120PB-Q4-K-V36	12 mm	PNP NC	5–36 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-120PB-Q4-V36	12 mm	PNP NC	5–36 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-120PB-C2-K-V55	12 mm	PNP NC	10–55 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-120PB-C2-V55	12 mm	PNP NC	10–55 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-120PB-Q4-K-V55	12 mm	PNP NC	10–55 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-120PB-Q4-V55	12 mm	PNP NC	10–55 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-120PC-C2-K	12 mm	PNP NO + NC	10–30 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-120PC-C2	12 mm	PNP NO + NC	10–30 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-120PC-Q4-K	12 mm	PNP NO + NC	10–30 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-120PC-Q4	12 mm	PNP NO + NC	10–30 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-120PC-C2-K-V36	12 mm	PNP NO + NC	5–36 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-120PC-C2-V36	12 mm	PNP NO + NC	5–36 V DC	2 m cable	Nickel-plated brass	Standard

Part number	Sensing distance	Output	Supply	Connection	Housing	Length
SGI-GP12U-120PC-Q4-K-V36	12 mm	PNP NO + NC	5–36 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-120PC-Q4-V36	12 mm	PNP NO + NC	5–36 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-120DA-C2-K	12 mm	DC 2-wire NO	10–60 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-120DA-C2	12 mm	DC 2-wire NO	10–60 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-120DA-Q4-K	12 mm	DC 2-wire NO	10–60 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-120DA-Q4	12 mm	DC 2-wire NO	10–60 V DC	M12 connector	Nickel-plated brass	Standard
SGI-GP12U-120DB-C2-K	12 mm	DC 2-wire NC	10–60 V DC	2 m cable	Nickel-plated brass	Short (K)
SGI-GP12U-120DB-C2	12 mm	DC 2-wire NC	10–60 V DC	2 m cable	Nickel-plated brass	Standard
SGI-GP12U-120DB-Q4-K	12 mm	DC 2-wire NC	10–60 V DC	M12 connector	Nickel-plated brass	Short (K)
SGI-GP12U-120DB-Q4	12 mm	DC 2-wire NC	10–60 V DC	M12 connector	Nickel-plated brass	Standard

Questions and answers

What does non-flush mean for an M12 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 327 part numbers with these rated sensing distances: 4 / 8 / 10 / 12 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 (147 models), M12 pigtail (21 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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<https://www.segmensensor.com/products/m12-non-flush-inductive-proximity-sensor.html>

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