SBO-02F12-SM2

Y- and T-connectors

PLUG CONNECTORS AND CABLES

SICK
Sensor Intelligence.

SBO-02F12-SM2 | Y- and T-connectors

PLUG CONNECTORS AND CABLES

Illustration may differ

Ordering information

Type	Part no.
SBO-02F12-SM2	6053283

Other models and accessories ➜ www.sick.com/Y-_and_T-connectors

Detailed technical data

Technical specifications

Accessory family	T-junctions
Connection type head A	Female connector, M12, 5-pin, A-coded
Connection type head B	Female connector, M12, 8-pin, A-coded
Connection type head C	Male connector, M12, 5-pin, A-coded
Housing color	Black
Shielding, head	Unshielded
Reference voltage	≤ 30 V DC
Current loading	4 A
Note	Male connector M12, 5-pin, to 1 x female connector M12, 8-pin, to 1 x female connector M12, 5-pin, for connecting on IO-Link-Master
Ambient operating temperature	–30 °C ... +90 °C
Enclosure rating	IP67 [1]
Ambient operating temperature Head	–30 °C ... +90 °C

[1] Only in fully locked position with its plugs.

Classifications

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ECLASS 5.0	27279201
ECLASS 5.1.4	27279201
ECLASS 6.0	27279201
ECLASS 6.2	27279201
ECLASS 7.0	27279201
ECLASS 8.0	27279201
ECLASS 8.1	27279201
ECLASS 9.0	27440108
ECLASS 10.0	27440108
ECLASS 11.0	27440108
ECLASS 12.0	27440108
ETIM 5.0	EC002585
ETIM 6.0	EC002585
ETIM 7.0	EC002585

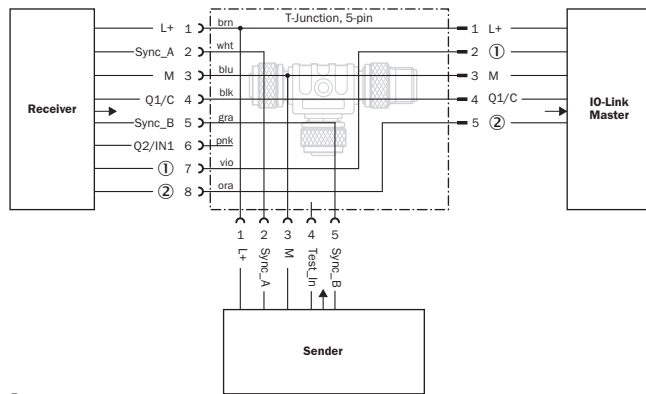| ETIM 8.0	EC002585
UNSPSC 16.0901	31163032

Dimensional drawing (Dimensions in mm (inch))

SBO-02F12-SM
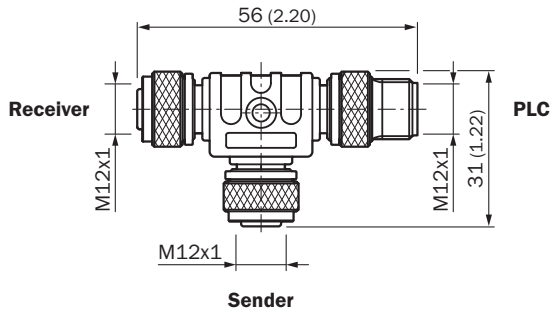
Pin assignment
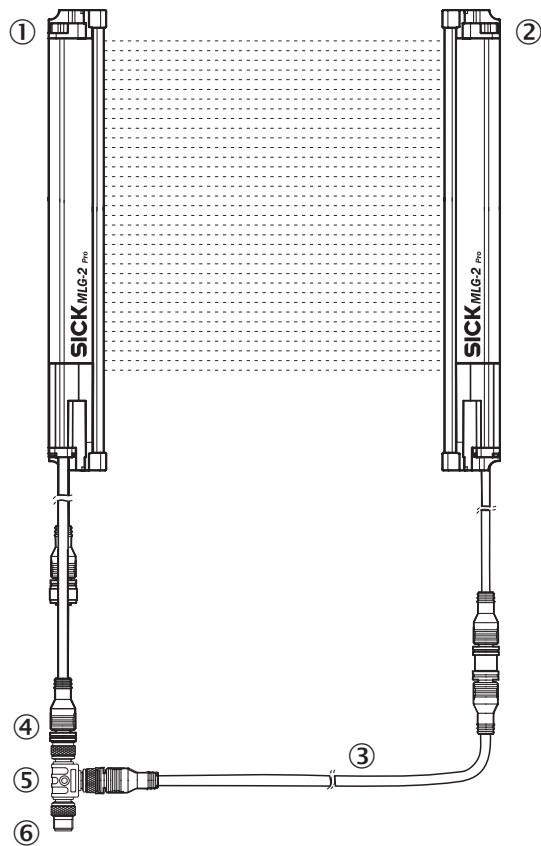
① MLG-2 receiver
② MLG-2 sender
③ Connection cable
④ MLG-2 connection
⑤ T-piece
⑥ Connection

Connection diagram

Receiver		T-Junction, 5-pin		IO-Link Master

L+ 1 — brn
Sync_A 2 — wht
M 3 — blu
Q1/C 4 — blk
Sync_B 5 — gra
Q2/IN1 6 — pnk
① 7 — vio
② 8 — ora

1 — L+
2 — ①
3 — M
4 — Q1/C
5 — ②

1 — L+
2 — Sync_A
3 — M
4 — TestIn
5 — Sync_B

Sender

① Q3/QA1/RS-485_A
② Q4/IN2/QA2/RS-485_B

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SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is "Sensor Intelligence."

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