



# SBO-02F12-SM

Y- and T-splitters

CONNECTORS AND CABLES

**SICK**  
Sensor Intelligence.



### Ordering information

Type	part no.
SBO-02F12-SM	6029306

Other models and accessories → [www.sick.com/Y\\_and\\_T-splitters](http://www.sick.com/Y_and_T-splitters)

Illustration may differ



### Detailed technical data

#### Technical specifications

<b>Connection type head A</b>	Female connector, M12, 8-pin, A-coded
<b>Connection type head B</b>	Female connector, M12, 8-pin, A-coded
<b>Connection type head C</b>	Male connector, M12, 8-pin, A-coded
<b>Housing color</b>	Black
<b>Locking nut material</b>	Zinc die-cast, nickel-plated
<b>Shielding, head</b>	Unshielded
<b>Shielding</b>	Unshielded
<b>Reference voltage</b>	≤ 30 V DC
<b>Current loading</b>	4 A
<b>Operating temperature</b>	-30 °C ... +90 °C
<b>Enclosure rating</b>	IP67 <sup>1)</sup>
<b>Operating temperature</b>	
Head	-30 °C ... +90 °C

<sup>1)</sup> Only in fully locked position with its plugs.

#### Certificates

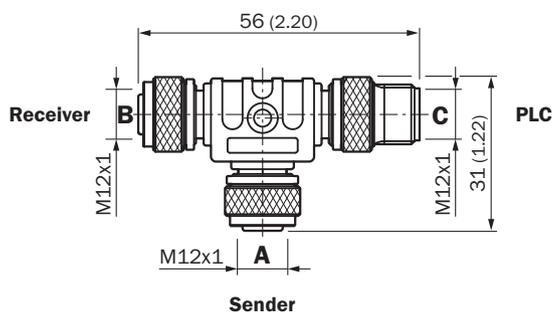
<b>EU declaration of conformity</b>	✓
<b>UK declaration of conformity</b>	✓
<b>China RoHS</b>	✓
<b>cULus certificate</b>	✓

#### Classifications

<b>ECLASS 5.0</b>	27279201
<b>ECLASS 5.1.4</b>	27279201
<b>ECLASS 6.0</b>	27279201
<b>ECLASS 6.2</b>	27279201
<b>ECLASS 7.0</b>	27279201
<b>ECLASS 8.0</b>	27279201
<b>ECLASS 8.1</b>	27279201

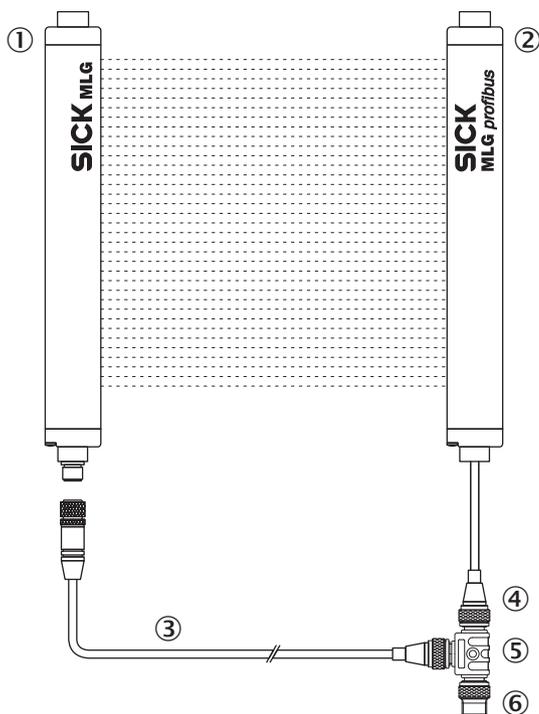
<b>ECLASS 9.0</b>	27440108
<b>ECLASS 10.0</b>	27440108
<b>ECLASS 11.0</b>	27440108
<b>ECLASS 12.0</b>	27440108
<b>ETIM 5.0</b>	EC002585
<b>ETIM 6.0</b>	EC002585
<b>ETIM 7.0</b>	EC002585
<b>ETIM 8.0</b>	EC002585
<b>UNSPSC 16.0901</b>	31163032

### Dimensional drawing SBO-02F12-SM



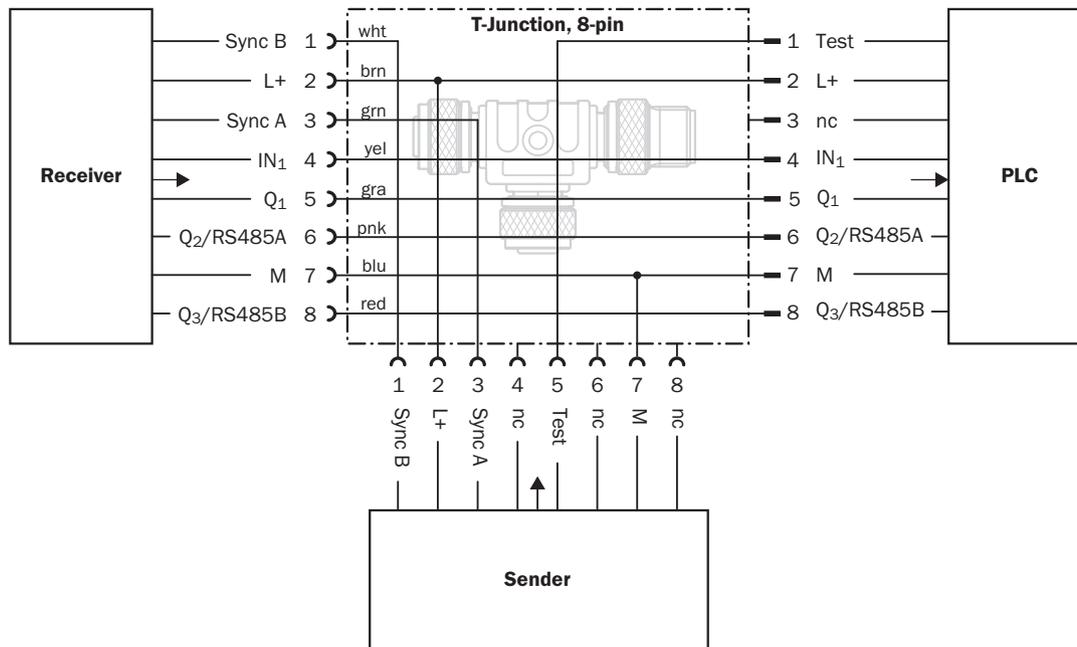
Dimensions in mm (inch)

### Pinouts



- ① MLG sender
- ② MLG receiver
- ③ Connection cable
- ④ MLG connection
- ⑤ T-piece
- ⑥ Supply Q1

### Connection diagram



## SICK AT A GLANCE

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.”

## WORLDWIDE PRESENCE:

Contacts and other locations –[www.sick.com](http://www.sick.com)