



DATA SHEET

# SBO-02F12-SM1

Y- and T-splitters  
Connectors and cables



Illustration may differ

CONNECTORS AND CABLES

SBO-02F12-SM1

ORDERING INFORMATION

| Type          | part no. |
|---------------|----------|
| SBO-02F12-SM1 | 6053172  |

Further device versions and accessories at [www.sick.com/Y- and T-splitters](http://www.sick.com/Y- and T-splitters)



DETAILED TECHNICAL DATA

TECHNICAL SPECIFICATIONS

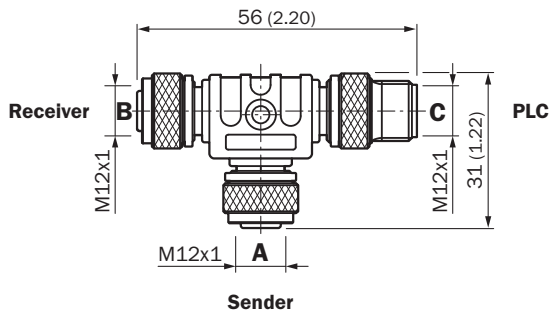
|                        |                                                                |
|------------------------|----------------------------------------------------------------|
| Connection type head A | Female connector, M12, 5-pin, A-coded                          |
| Connection type head B | Female connector, M12, 8-pin, A-coded                          |
| Connection type head C | Male connector, M12, 8-pin, A-coded                            |
| Housing color          | Black                                                          |
| Locking nut material   | Zinc die-cast, nickel-plated                                   |
| Shielding, head        | Unshielded                                                     |
| Shielding              | Unshielded                                                     |
| Reference voltage      | ≤ 30 V DC                                                      |
| Current loading        | 4 A                                                            |
| Note                   | For connecting of a PLC                                        |
| Operating temperature  | -30 °C ... +90 °C                                              |
| Enclosure rating       | IP67 <sup>1)</sup>                                             |
| Description            | For connecting an MLG2-Pro & MLG2 (WebChecker) to a controller |
| Operating temperature  | Head -30 °C ... +90 °C                                         |

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

CERTIFICATES

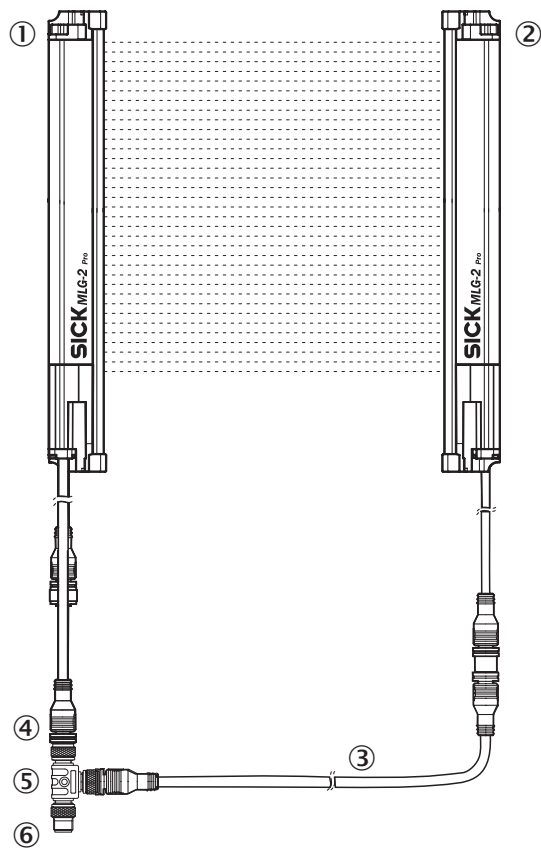
|                                                     |   |
|-----------------------------------------------------|---|
| EU declaration of conformity                        | ✓ |
| UK declaration of conformity                        | ✓ |
| China RoHS                                          | ✓ |
| China Compulsory Product Certification (CCC) exempt | ✓ |

**DIMENSIONAL DRAWING SBO-02F12-SM**



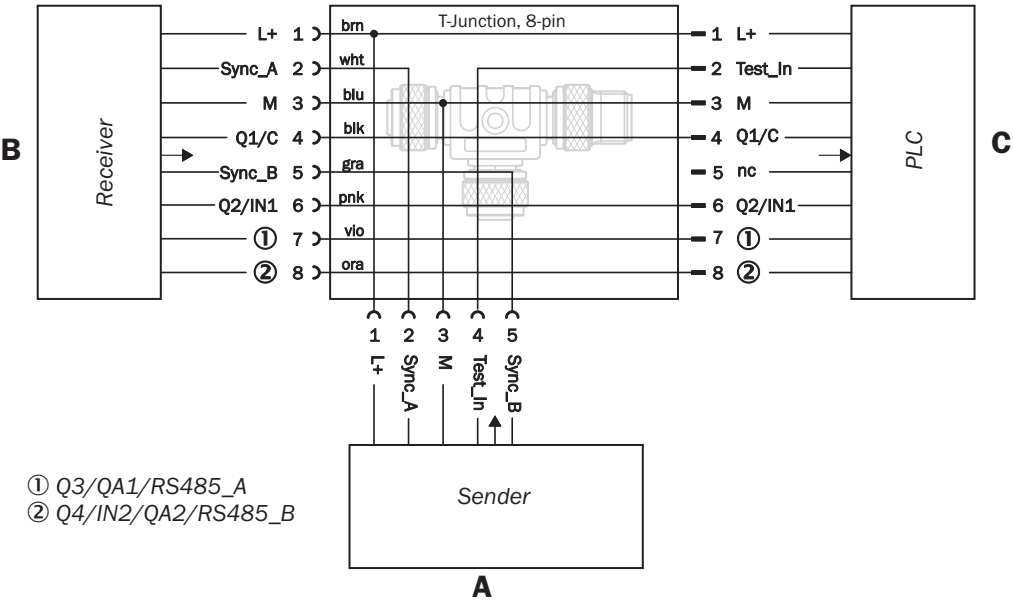
Dimensions in mm (inch)

## PINOUTS



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

CONNECTION DIAGRAM T-PIECE



Further information as well as suitable accessories, example applications and downloads such as CAD di-  
mensional models, operating instructions and software can be found at [www.sick.com/6053172](http://www.sick.com/6053172)



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SICK combines sensor intelligence with industry expertise and certified consulting services. We provide the ideal foundation for scalable as well as tailor-made automation solutions and create added value along the entire value chain. Our close partnerships with our customers are more than just a promise: Together, we optimize productivity, improve quality, protect health and safety, and help build a sustainable future. All with empathy and trust.

Since 1946, we have been developing innovative technologies with passion and a pioneering spirit. With a global network in around 40 countries, SICK has a global presence and is always close by. The company's headquarters are located in Waldkirch near Freiburg, Germany. Our customers benefit from our understanding of both local and global requirements, which enables us to deliver tailor-made solutions

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Sensor Intelligence