SICK.COM



DATA SHEET

SBO-02F12-SM2

Y- and T-splitters
Connectors and cables

SICK Sensor Intelligence



Illustration may differ

CONNECTORS AND CABLES

SBO-02F12-SM2

ORDERING INFORMATION

Type	part no.
SBO-02F12-SM2	6053283

Further device versions and accessories at www.sick.com/Y-_and_T-splitters

DETAILED TECHNICAL DATA

TECHNICAL SPECIFICATIONS

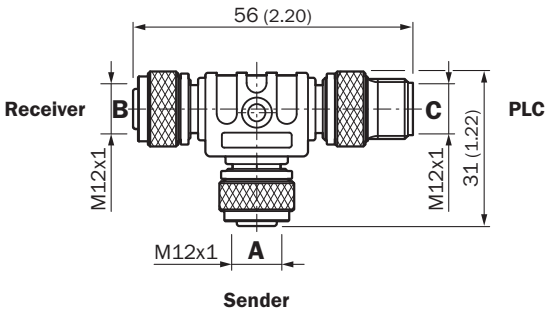
Connection type head A	Female connector, M12, 5-pin, A-coded
Connection type head B	Female connector, M12, 8-pin, A-coded
Connection type head C	Male connector, M12, 5-pin, A-coded
Housing color	Black
Locking nut material	Zinc die-cast, nickel-plated
Shielding, head	Unshielded
Shielding	Unshielded
Reference voltage	≤ 30 V DC
Current loading	4 A
Overvoltage category	II
Note	For connecting on IO-Link-Master
Operating temperature	–30 °C ... +90 °C
Enclosure rating	IP67 [1]
Description	For connecting an MLG2-Pro to an IO-Link Master
Operating temperature Head	 –30 °C ... +90 °C

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

CERTIFICATES

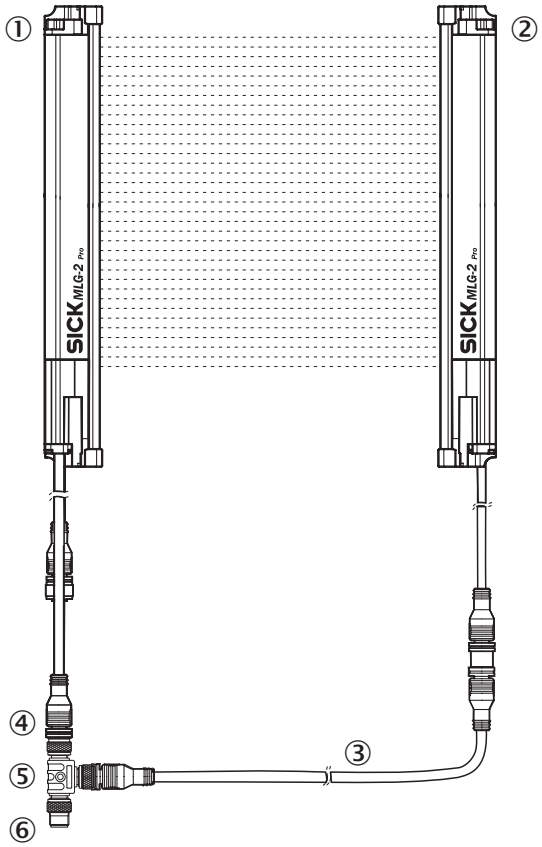
EU declaration of conformity	✓
UK declaration of conformity	✓
China RoHS	✓
China Compulsory Product Certification (CCC) exempt	✓

DIMENSIONAL DRAWING SBO-02F12-SM



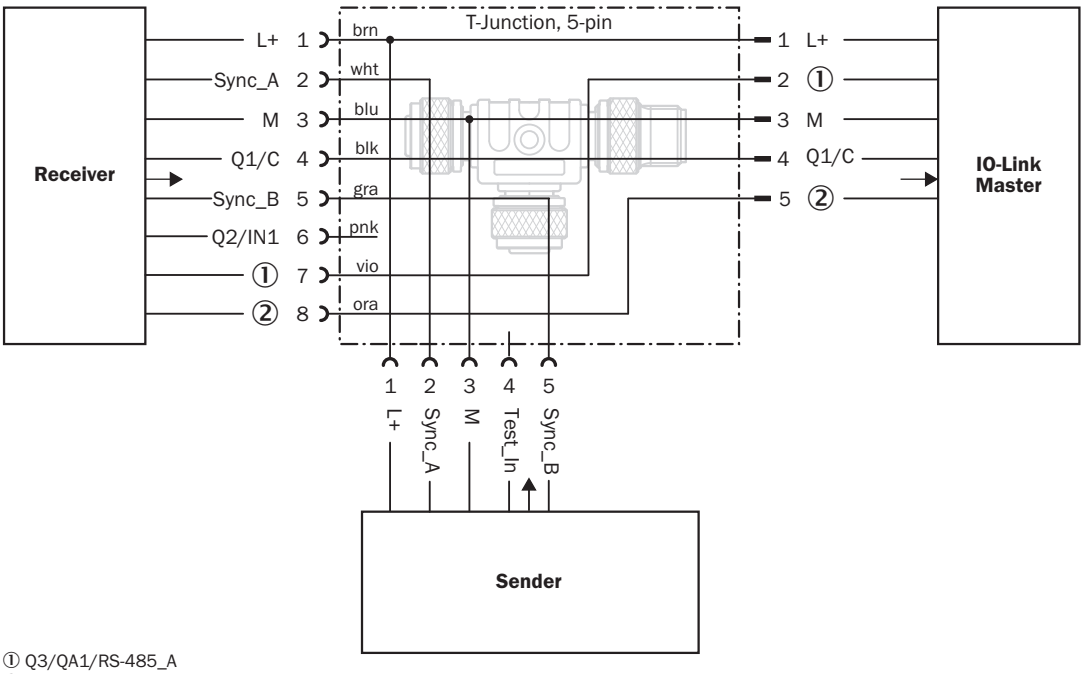
Dimensions in mm (inch)

PINOUTS



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

CONNECTION DIAGRAM



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

Further information as well as suitable accessories, example applications and downloads such as CAD dimensional models, operating instructions and software can be found at www.sick.com/6053283

SICK AG
WALDKIRCH
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SICK AT A GLANCE

SICK is a leading global technology company for intelligent sensors and integrated solutions in industrial automation. Our technologies set benchmarks, making your industrial processes more efficient, safer and more sustainable – both in logistics and manufacturing operations.

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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