

**Industrial Ethernet  
IE-SFP-1GE-SM-20-BIDI-TX1310**

**Weidmüller Interface GmbH & Co. KG**  
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**Features of SFP-Transceiver series**

- Huge variety of transceiver types for several transmission speeds (100/1000Mbit/s) and distances (up to 60 km)
- BiDi SFP models for communication via single fiber
- Easy control of SFP status due to support of Digital Diagnostic Monitoring (DDM)
- Hot pluggable (during operation)
- Class 1 laser product, EN60825-1 compliant

**General ordering data**

Type	IE-SFP-1GE-SM-20-BIDI-TX1310
Order No.	<a href="#">2682540000</a>
Version	SFP Transceiver, 1000 Mbps, Singlemode BiDi, LC-Simplex, 20 km, -40 °C...85 °C
GTIN (EAN)	4050118692174
Qty.	1 pc(s).

Creation date May 1, 2020 5:10:12 PM CEST

Catalogue status 17.04.2020 / We reserve the right to make technical changes.

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**Technical data****Dimensions and weights**

Net weight	22 g
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**EMC conformity and approvals**

EMC standards	EN 55032, EN 55024	Safety standard	UL 60950-1
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**Environmental conditions**

Humidity	5 to 95 % (non-condensing)	Operating temperature, max.	85 °C
Operating temperature, min.	-40 °C	Storage temperature, max.	85 °C
Storage temperature, min.	-40 °C		

**Fibre optic transceiver characteristics**

Transmission rate	1000 Mbps
Digital diagnostic monitor function (DDM)	Supported
Transceiver type	Singlemode BiDi
Connector type	LC-Simplex
Transmission distance, typ.	20 km
Wavelength	Wavelength TX
	typ. 1,310 nm
	Wavelength RX
	typ. 1,550 nm
	Wavelength TX
	min. 1,270 nm
	max. 1,355 nm
	Wavelength RX
	min. 1,470 nm
max. 1,600 nm	
Receive power	min. -23 dBm
	max. -3 dBm
Transmission power	min. -8 dBm
	max. -2 dBm
Link-budget	15 dB

**Guarantee**

Time interval	3 years
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**Power supply**

Voltage supply	3.3 V (via Ethernet switch)
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**Technical data**

Type of mounting	Insert in SFP slot
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**Classifications**

ETIM 6.0	EC001121	ETIM 7.0	EC001121
eClass 9.0	27-44-03-92	eClass 9.1	27-44-02-92
eClass 10.0	27-44-03-92		

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**Data sheet**

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**Technical data**

**Approvals**

Approvals



ROHS

Conform

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Approval/Certificate/Document of  
Conformity

[EU Declaration of Conformity](#)