

IE-SFP-1GE-SM-20-BIDI-TX1550**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**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

Version	SFP Transceiver, 1000 Mbps, Singlemode BiDi, LC-Simplex, 20 km, -40 °C...85 °C
Order No.	2682550000
Type	IE-SFP-1GE-SM-20-BIDI-TX1550
GTIN (EAN)	4050118692167
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Net weight	46 g
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Temperatures

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

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. 1,550 nm
	Wavelength RX
	typ. 1,310 nm
	Wavelength TX
	min. 1,510 nm
	max. 1,570 nm
	Wavelength RX
Receive power	min. -23 dBm
	max. -3 dBm
Transmission power	min. -8 dBm
	max. -2 dBm
Link-budget	15 dB
Note	BiDi-SFP transceivers must be used in pairs (e.g. IE-SFP-1GE-SM-10-BIDI-TX1310 and IE-SFP-1GE-SM-10-BIDI-TX1550 or IE-SFP-1GE-SM-20-BIDI-TX1310 and IE-SFP-1GE-SM-20-BIDI-TX1550).

Guarantee

Time interval	3 years
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Power supply

Voltage supply	3.3 V (via Ethernet switch)
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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	ECLASS 11.0	27-44-03-92

Approvals

Approvals



ROHS	Conform
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Downloads

Approval/Certificate/Document of Conformity	EU Declaration of Conformity RCM Declaration of Conformity
Brochure/Catalogue	Catalogues in PDF-format