IE-SFP-1GE-SM-10-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 (up to 10 Gigabit Ethernet) and distances (up to 60 km)
- BiDi SFP models for communication via single fiber
- Easy control of transceiver 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, 10 km, -40 °C...85 °C
Order No.	2682530000
Type	IE-SFP-1GE-SM-10-BIDI-TX1550
GTIN (EAN)	4050118692181
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Net weight	46 g

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

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.	10 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
	min.	1,250 nm
	max.	1,380 nm
Receive power	min.	-20 dBm
	max.	-3 dBm
Transmission power	min.	-9 dBm
	max.	-3 dBm
Link-budget	11 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

Power supply

Voltage supply	3.3 V (via Ethernet switch)

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Type of mounting	Insert in SFP slot

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
UL File Number Search	E230683

Downloads

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