

**IE-SFP-1GE-SM-40**

**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
- Applicable for switches of the Eco-, Advanced- and SubstationLine

**General ordering data**

Version	SFP Transceiver, 1000 Mbps, Singlemode, LC-Duplex, 40 km, -40 °C...85 °C
Order No.	<a href="#">2682510000</a>
Type	IE-SFP-1GE-SM-40
GTIN (EAN)	4050118692204
Qty.	1 items

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**Technical data**

**Approvals**

Approvals



ROHS	Conform
UL File Number Search	<a href="#">UL Website</a>
Certificate No. (cURus)	E230683

**Dimensions and weights**

Net weight	17.5 g
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**Temperatures**

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

**Environmental Product Compliance**

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

**EMC conformity and approvals**

EMC standards	EN 55032, EN 55035	Safety standard	UL 62368-1
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**Environmental conditions**

Operating temperature, max.	85 °C	Operating temperature, min.	-40 °C
Humidity	5 to 95 % (non-condensing)	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	
Connector type	LC-Duplex	
Transmission distance, typ.	40 km	
Wavelength	typ.	1310 nm
	Wavelength	TX
	min.	1280 nm
	max.	1350 nm
	Wavelength	RX
	min.	1260 nm
Receive power	min.	-24 dBm
	max.	-3 dBm
Transmission power	min.	-3 dBm
	max.	3 dBm
Link-budget	21 dB	

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## Technical data

**Note** When connecting a single-mode fiber transceiver over a short distance, we recommend using an attenuator to prevent the transceiver from being damaged by excessive optical power.

### Guarantee

Time interval 3 years

### Power supply

Supply voltage 3.3 V (via Ethernet switch)

### Technical data

Type of mounting Insert in SFP slot

### Classifications

ETIM 8.0	EC003628	ETIM 9.0	EC003628
ETIM 10.0	EC003628	ECLASS 14.0	19-17-03-03
ECLASS 15.0	19-17-03-03		