

## IE-SFP-1GLHXLC

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

[www.weidmueller.com](http://www.weidmueller.com)

### Product image



- Supports DDM (Digital Diagnostic Monitoring)
- IEEE 802.3z compliant (Gigabit Ethernet SFPs)
- IEEE 802.3u compliant (Fast Ethernet SFPs)
- Symmetric LVPECL I/Os (Gigabit Ethernet SFPs)
- Symmetric PECL I/Os (Fast Ethernet SFPs)
- TTL signal detection indicator
- Pluggable in operation (hot pluggable)
- Class 1 laser product, EN60825-1 compliant
- Applicable for switches of the Basic-, Value- and PremiumLine

### General ordering data

Version	SFP Transceiver, 1000 Mbps, Singlemode, LC-Duplex, 40 km, 0 °C...60 °C
Order No.	<a href="#">1241520000</a>
Type	IE-SFP-1GLHXLC
GTIN (EAN)	4050118029369
Qty.	1 items
Delivery status	This article will no longer be available in the future.
Available until	2027-01-30T00:00:00+01:00
Alternative product	<a href="#">IE-SFP-1GE-SM-40</a>

## IE-SFP-1GLHXLC

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## Technical data

## Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E230683

## Dimensions and weights

Net weight 36 g

## Temperatures

Storage temperature -40 °C...85 °C Operating temperature 0 °C...60 °C

Humidity 5 to 95 % (non-condensing)

## Environmental Product Compliance

RoHS Compliance Status Compliant with exemption

RoHS Exemption (if applicable/known) 7cl

REACH SVHC No SVHC above 0.1 wt%

## EMC conformity and approvals

EMC standards EN 55032, EN 55035 Ship use DNV

Safety standard UL 62368-1, EN 62368-1, EN 60825-1

## Environmental conditions

Operating temperature, max. 60 °C Operating temperature, min. 0 °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.	1340 nm
	Wavelength	RX
	min.	1260 nm
	max.	1610 nm

Receive power min. -24 dBm

max. -1 dBm

Transmission power min. -4 dBm

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**Technical data**

	max.	3 dBm
Link-budget	20 dB	
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
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**Interfaces**

Ethernet ports	1	Plug-in connector	Duplex-LC
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**Power supply**

Supply voltage	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 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		