

**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 pc(s).

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

Net weight	36 g
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**Temperatures**

Storage temperature	-40 °C...85 °C	Operating temperature	0 °C...60 °C
Humidity	5 to 95 % (non-condensing)		

**EMC conformity and approvals**

EMC standards	EN 55032, EN 55035	Safety standard	UL 62368-1, EN 62368-1, EN 60825-1
Ship use	DNV		

**Environmental conditions**

Humidity	5 to 95 % (non-condensing)	Operating temperature, max.	60 °C
Operating temperature, min.	0 °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	
Connector type	LC-Duplex	
Transmission distance, typ.	40 km	
Wavelength	typ.	1,310 nm
	Wavelength	TX
	min.	1,280 nm
	max.	1,340 nm
	Wavelength	RX
	min.	1,260 nm
Receive power	max.	1,610 nm
	min.	-24 dBm
Transmission power	max.	-1 dBm
	min.	-4 dBm
Link-budget	max.	3 dBm
Note	20 dB	
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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**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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Creation date April 28, 2024 5:53:50 AM CEST

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## Technical data

## Classifications

ETIM 6.0	EC001121	ETIM 7.0	EC001121
ETIM 8.0	EC003628	ETIM 9.0	EC003628
ECLASS 9.1	27-44-02-92	ECLASS 10.0	27-44-02-92
ECLASS 11.0	19-17-03-03	ECLASS 12.0	19-17-03-03
ECLASS 13.0	19-17-03-03		

## Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E230683

## Downloads

Approval/Certificate/Document of Conformity	<a href="#">DNV certificate</a> <a href="#">EU Declaration of Conformity</a> <a href="#">UK Declaration of Conformity</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****LC-Duplex**

Mounting rail outlet, LC duplex junction design according to IEC 61754-20

**General ordering data**

Type	IE-TO-LCD-SM	Version
Order No.	<a href="#">8947020000</a>	Mounting rail outlet, fibre-optic, LC Duplex, Singlemode, IP20
GTIN (EAN)	4032248735037	
Qty.	10 pc(s).	