

IE-SFP-1GLHXLC**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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.	1241520000
Type	IE-SFP-1GLHXLC
GTIN (EAN)	4050118029369
Qty.	1 items

Technical data

Approvals

Approvals



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

Net weight	36 g
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Temperatures

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

RoHS Compliance Status	Compliant with exemption
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RoHS Exemption (if applicable/known)	7cl
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REACH SVHC	No SVHC above 0.1 wt%
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EMC conformity and approvals

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

Operating temperature, max.	60 °C	Operating temperature, min.	0 °C
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Humidity	5 to 95 % (non-condensing)	Storage temperature, max.	85 °C
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Storage temperature, min.	-40 °C
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Fibre optic transceiver characteristics

Transmission rate	1000 Mbps
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Digital diagnostic monitor function (DDM)	Supported
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Transceiver type	Singlemode
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Connector type	LC-Duplex
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Transmission distance, typ.	40 km
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Wavelength	typ.	1310 nm
	Wavelength	TX
	min.	1280 nm
	max.	1340 nm

Wavelength	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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	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 6.0	EC001121	ETIM 7.0	EC001121
ETIM 8.0	EC003628	ETIM 9.0	EC003628
ETIM 10.0	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
ECLASS 14.0	19-17-03-03	ECLASS 15.0	19-17-03-03

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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.	8947020000	Mounting rail outlet, fibre-optic, LC Duplex, Singlemode, IP20	
GTIN (EAN)	4032248735037		
Qty.	10 ST		