

# Media module - FL SFP LH - 2989912

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Gigabit SFP module for transmission up to 80 km with a wavelength of 1,550 nm.

The figure shows a version of the product

## Product Description

SFP module with a data transmission speed of 1000 Mbps, a wavelength of 1550 nm, and a maximum transmission length of 80 km.



## Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4046356299749

## Technical data

### Dimensions

Width	13.7 mm
Height	8.95 mm
Length	56.5 mm

### Ambient conditions

Ambient temperature (operation)	-40 °C ... 85 °C (non-condensing)
Ambient temperature (storage/transport)	-40 °C ... 85 °C (non-condensing)
Permissible humidity (operation)	30 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	30 % ... 95 % (non-condensing)
Air pressure (operation)	86 kPa ... 108 kPa (1500 m above sea level)
Air pressure (storage/transport)	66 kPa ... 108 kPa (3500 m above sea level)

### Interfaces

Interface	Ethernet FO
No. of ports	1 (LC single mode)

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## Technical data

### Interfaces

Transmission physics	Single-mode fiberglass
Transmission speed	1 Gbps
Transmission length	80 km (Fiberglass 9/125)
Wavelength	1550 nm
Signal LEDs	depending on the Factoryline device

### Function

Basic functions	SFP module as FO port
Status and diagnostic indicators	via a Factoryline device

### Supply voltage

Supply voltage	3.3 V (via Factoryline switch)
Max. current consumption	300 mA
Current consumption	300 mA

### General

Mounting type	Insert in SFP slot
Type AX	Factoryline devices with SFP slot
Net weight	39.8 g
Housing material	Metal

### Standards and Regulations

Vibration (storage/transport)	5g, 150 Hz, in acc. with IEC 60068-2-6
Connection in acc. with standard	CUL
Vibration (operation)	in acc. with IEC 60068-2-6: 5g, 150 Hz

### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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## Classifications

### eCl@ss

eCl@ss 10.0.1	19179290
eCl@ss 4.0	27250500
eCl@ss 4.1	27250500
eCl@ss 5.0	19030100
eCl@ss 5.1	19030100
eCl@ss 6.0	19170100
eCl@ss 7.0	19170106
eCl@ss 8.0	27149249
eCl@ss 9.0	19179290

### ETIM

ETIM 2.0	EC000734
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## Classifications

### ETIM

ETIM 3.0	EC000734
ETIM 4.0	EC000734
ETIM 5.0	EC002609
ETIM 6.0	EC000310
ETIM 7.0	EC000310

### UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201410
UNSPSC 13.2	26121650
UNSPSC 18.0	43222604
UNSPSC 19.0	43222604
UNSPSC 20.0	43222604
UNSPSC 21.0	43222604

## Approvals

### Approvals

#### Approvals

DNV GL / UL Recognized / cUL Recognized / LR / BSH / RINA / UL Recognized / cUL Recognized / ABS / NK / BV

#### Ex Approvals

### Approval details

DNV GL		<a href="https://approvalfinder.dnvgl.com/">https://approvalfinder.dnvgl.com/</a>	TAA00000YV
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UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 140403
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cUL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 140403
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## Approvals

LR		<a href="http://www.lr.org/en">http://www.lr.org/en</a>	17/20056
BSH			Nr. 966
RINA		<a href="http://www.rina.org/en">http://www.rina.org/en</a>	ELE130419XG
UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 140403
cUL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 140403
ABS		<a href="http://www.eagle.org/eagleExternalPortalWEB/">http://www.eagle.org/eagleExternalPortalWEB/</a>	17- HG1592765-1-PDA
NK		<a href="http://www.classnk.or.jp/hp/en/">http://www.classnk.or.jp/hp/en/</a>	TA19464M
BV		<a href="http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials">http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials</a>	48146/A1 BV

## Accessories

### Accessories

#### Data cable preassembled

FO patch cable - FOC-LC:PA-ST:PA-OS2:D01/1 - 1115596



Single-mode OS2 duplex jumper, LC-ST, UPC polishing, length 1 m

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### Accessories

FO patch cable - FOC-LC:PA-ST:PA-OS2:D01/2 - 1115595



Single-mode OS2 duplex jumper, LC-ST, UPC polishing, length 2 m

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FO patch cable - FOC-LC:PA-LC:PA-OS2:D01/1 - 1115636



Single-mode OS2 duplex jumper, LC-LC, UPC polishing, length 1 m

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FO patch cable - FOC-LC:PA-LC:PA-OS2:D01/2 - 1115629



Single-mode OS2 duplex jumper, LC-LC, UPC polishing, length 2 m

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FO patch cable - FOC-LC:PA-SC:PA-OS2:D01/1 - 1115618



Single-mode OS2 duplex jumper, LC-SC, UPC polishing, length 1 m

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FO patch cable - FOC-LC:PA-SC:PA-OS2:D01/2 - 1115617



Single-mode OS2 duplex jumper, LC-SC, UPC polishing, length 2 m

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