

FL SFP LH - Media module

2989912

<https://www.phoenixcontact.com/us/products/2989912>



Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



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

Your advantages

- MSA compliant

Commercial data

Item number	2989912
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN22
Product key	DNN613
GTIN	4046356299749
Weight per piece (including packing)	36.3 g
Weight per piece (excluding packing)	33 g
Customs tariff number	85176200
Country of origin	CN

FL SFP LH - Media module

2989912

<https://www.phoenixcontact.com/us/products/2989912>



Technical data

Dimensions

Width	13.7 mm
Height	8.95 mm
Length	56.5 mm

Notes

Note on application

Note on application	Only for industrial use
---------------------	-------------------------

Material specifications

Housing material	Metal
------------------	-------

Mounting

Mounting type	Insert in SFP slot
---------------	--------------------

Interfaces

Ethernet FO

Connection method	LC
Transmission speed	1 Gbps
Transmit capacity, minimum	0 dBm
Transmit capacity, maximum	5 dBm
Minimum receiver sensitivity	-24 dBm
Maximum receiver sensitivity	-3 dBm
Transmission physics	Single-mode fiberglass
Transmission length	80 km (Fiberglass 9/125)
Wavelength	1550 nm
Signal LEDs	depending on the Factoryline device
No. of channels	1 (LC single mode)
Transmit capacity, minimum	0 dBm
Transmit capacity, maximum	5 dBm
Minimum receiver sensitivity	-3 dBm
Maximum receiver sensitivity	-24 dBm

Product properties

Product type	SFP module
Type	Factoryline devices with SFP slot
Format	SFP (Small Form-factor Pluggable)
Basic functions	SFP module as FO port

Signaling

Status display	via a Factoryline device
----------------	--------------------------

Electrical properties

Current consumption	300 mA
Maximum power dissipation for nominal condition	1 W
Transmission medium	FO

Supply

Supply voltage	3.3 V (via Factoryline switch)
Power supply connection	via SFP slot
Max. current consumption	300 mA
Current consumption	300 mA

Connection data

Connection method	To insert in SFP slot
-------------------	-----------------------

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 85 °C (non-condensing)
Ambient temperature (storage/transport)	-40 °C ... 85 °C (non-condensing)
Case temperature	max. 85 °C (Operation)
Permissible humidity (operation)	5 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	30 % ... 95 % (non-condensing)
Vibration (operation)	in acc. with IEC 60068-2-6: 5g, 150 Hz
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)

Standards and regulations

Standard designation	Laser equipment safety
Standards/specifications	IEC 60825

FL SFP LH - Media module

2989912

<https://www.phoenixcontact.com/us/products/2989912>



Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2989912>



DNV GL

Approval ID: TAA00000YV



LR

Approval ID: LR22250919TA



NK

Approval ID: TA24215M



BV

Approval ID: 48146_B1 BV

BSH

Approval ID: Nr. 966



RINA

Approval ID: ELE014724XG001

ABS

Approval ID: 21_2066186_1_PDA



cULus Recognized

Approval ID: E140403

FL SFP LH - Media module



2989912

<https://www.phoenixcontact.com/us/products/2989912>

Classifications

ECLASS

ECLASS-13.0	19179090
-------------	----------

ETIM

ETIM 9.0	EC000310
----------	----------

UNSPSC

UNSPSC 21.0	43222600
-------------	----------

2989912

<https://www.phoenixcontact.com/us/products/2989912>

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c), 7(c)-I

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	d7bf03a9-af83-4473-b743-fb4eab7c02fd

Phoenix Contact 2025 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com