

FL SFP LH - Media module



2989912

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

DDI, Digital Diagnostic Monitoring Interface

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

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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
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Material specifications

Housing material	Metal
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Mounting

Mounting type	Plug-in 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
Special properties	DDI, Digital Diagnostic Monitoring Interface
Format	SFP (Small Form-factor Pluggable)

Signaling

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Status display	via a Factoryline device
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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
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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

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Approvals

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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

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Classifications

ECLASS

ECLASS-13.0

19179090

ETIM

ETIM 9.0

EC000310

UNSPSC

UNSPSC 21.0

43222600

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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

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