

# FL SFP LX - Media module



2891767

<https://www.phoenixcontact.com/us/products/2891767>

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Gigabit SFP module for transmission up to 30 km with a wavelength of 1310 nm.



The figure shows a version of the product

## Product description

DDI, Digital Diagnostic Monitoring Interface

## Your advantages

- MSA compliant

## Commercial data

Item number	2891767
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN22
Product key	DNN613
GTIN	4046356166775
Weight per piece (including packing)	30.6 g
Weight per piece (excluding packing)	30.6 g
Customs tariff number	85176200
Country of origin	TW

## 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

Color (Housing)	white aluminium (RAL 9006)
Housing material	Metal

### Mounting

Mounting type	Plug-in mounting (SFP port)
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### Interfaces

#### Ethernet FO

Connection method	LC
Transmission speed	1 Gbps
Transmit capacity, minimum	-5 dBm
Transmit capacity, maximum	0 dBm
Minimum receiver sensitivity	-24 dBm
Maximum receiver sensitivity	-3 dBm
Transmission physics	Single-mode fiberglass
Transmission length	30 km (Fiberglass 9/125) 250 m (Fiberglass 62.5/125)
Wavelength	1310 nm
Signal LEDs	depending on the Factoryline device
No. of channels	1 (LC single mode)
Transmit capacity, minimum	-5 dBm
Transmit capacity, maximum	0 dBm
Minimum receiver sensitivity	-3 dBm
Maximum receiver sensitivity	-24 dBm

### Product properties

Product type	SFP module
Type	Factoryline devices with SFP slot
MTTF	748 Years (Telcordia SR-332, temperature factor at 40°C = 1, stress factor at 50% = 1, environmental factor = 1)
Format	SFP (Small Form-factor Pluggable)

## Signaling

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)
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
ECLASS-15.0	19179090

### ETIM

ETIM 10.0	EC002608
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### UNSPSC

UNSPSC 21.0	43222600
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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### EF3.1 Climate Change

CO2e kg	4.226 kg CO2e
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