

FL SFP LH - Media module

2989912

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

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



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.

Your advantages

- MSA compliant

Commercial Data

Item number	2989912
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	DNN
Product Key	DNN1ZS
Catalog Page	Page 333 (C-6-2019)
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

Material specifications

Housing material	Metal
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Mounting

Mounting type	Insert in SFP slot
Connection method	To 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

Type	Factoryline devices with SFP slot
Product type	SFP module
Format	SFP (Small Form-factor Pluggable)

Signaling

Status display	via a Factoryline device
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Electrical properties

Maximum power dissipation for nominal condition	1 W
Transmission medium	FO

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Supply

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

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)	30 % ... 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)

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Approvals



cUL Recognized
Approval ID: FILE E 140403



UL Recognized
Approval ID: FILE E 140403



DNV GL
Approval ID: TAA00000YV



LR
Approval ID: LR22250919TA



NK
Approval ID: TA19464M



UL Recognized
Approval ID: FILE E 140403



BV
Approval ID: 48146/A1 BV



cUL Recognized
Approval ID: FILE E 140403



RINA
Approval ID: ELE162721XG

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Classifications

ECLASS

ECLASS-11.0	19179090
ECLASS-12.0	19179090
ECLASS-13.0	19179090

ETIM

ETIM 8.0	EC000310
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UNSPSC

UNSPSC 21.0	43222600
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Environmental Product Compliance

REACH SVHC

Lead 7439-92-1

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Accessories

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

1115596

<https://www.phoenixcontact.com/in/products/1115596>

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



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

1115595

<https://www.phoenixcontact.com/in/products/1115595>

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



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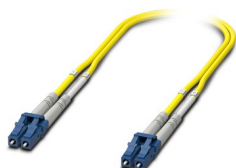


FOC-LC:PA-LC:PA-OS2:D01/1 - FO patch cable

1115636

<https://www.phoenixcontact.com/in/products/1115636>

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

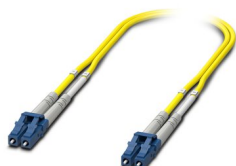


FOC-LC:PA-LC:PA-OS2:D01/2 - FO patch cable

1115629

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



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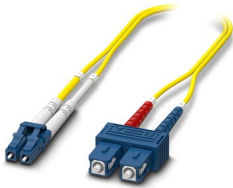


FOC-LC:PA-SC:PA-OS2:D01/1 - FO patch cable

1115618

<https://www.phoenixcontact.com/in/products/1115618>

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

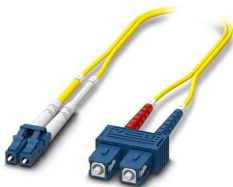


FOC-LC:PA-SC:PA-OS2:D01/2 - FO patch cable

1115617

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



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