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.

Product description

SFP module with a data transmission speed of 1000 Mbps, a wavelength of 1310 nm, and a maximum transmission length of 30 km.

Your advantages

- MSA compliant

Commercial data

Item number	2891767
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN22
Product key	DNN1ZS
Catalog page	Page 333 (C-6-2019)
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	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	-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)

Data management status

Article revision	04

Signaling

Status display	via a Factoryline device

Electrical properties

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)
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)

Standards and regulations

Standard designation	Laser equipment safety
Standards/specifications	IEC 60825

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2891767

cUL Recognized
Approval ID: FILE E 140403

UL Recognized
Approval ID: FILE E 140403

EAC
Approval ID: RU*DE*08.B.00731/19

DNV GL
Approval ID: TAA00000YV

LR
Approval ID: LR22250919TA

NK
Approval ID: TA24215M

BV
Approval ID: 48146_B0 BV

BSH
Approval ID: Nr. 966

RINA
Approval ID: ELE014724XG001

ABS
Approval ID: 21_2066186_1_PDA

cULus Recognized

Classifications

ECLASS

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

ETIM

ETIM 9.0	EC000310

UNSPSC

UNSPSC 21.0	43222600

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

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%

Accessories

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

1115596

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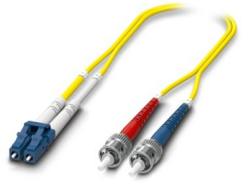
Single-mode OS2 duplex jumper, LC-ST, UPC polishing, length 1 m

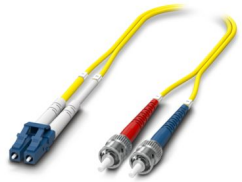


FOC-LC:PA-ST:PA-OS2:D01/2 - FO patch cable

1115595

https://www.phoenixcontact.com/us/products/1115595

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



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

1115636

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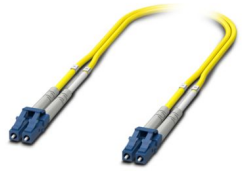
Single-mode OS2 duplex jumper, LC-LC, UPC polishing, length 2 m



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

1115618

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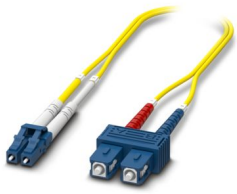

Single-mode OS2 duplex jumper, LC-SC, UPC polishing, length 1 m

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

1115617

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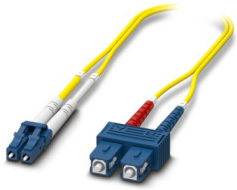

Single-mode OS2 duplex jumper, LC-SC, UPC polishing, length 2 m

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