

FL SFP FX - Media module



2891081
<https://www.phoenixcontact.com/us/products/2891081>

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The small form-factor plug-in module provides a fiber optic interface with a data transmission speed of 100 Mbps with a wavelength of 1310 nm (long).

Product description

Developed according to IEC 61850-3 (Ambient conditions)

Your advantages

- Network structure according to IEC 61850
- IEEE 1613
- MSA compliant

Commercial data

Item number	2891081
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN22
Product key	DNN612
GTIN	4046356800952
Weight per piece (including packing)	29.7 g
Weight per piece (excluding packing)	29.7 g
Customs tariff number	85176200
Country of origin	TW

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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	Insert in SFP slot
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Interfaces

Ethernet FO

Connection method	1 LC socket at the SFP module, 100 Mbps
Transmission speed	100 Mbps
Transmit capacity, minimum	-19 dBm
Transmit capacity, maximum	-12 dBm
Minimum receiver sensitivity	-30 dBm
Maximum receiver sensitivity	-3 dBm
Transmission physics	multi-mode fiberglass
Wavelength	1310 nm
Signal LEDs	depending on the Factoryline device
No. of channels	1 (LC multi-mode)

Product properties

Product type	SFP module
Type	Factoryline devices with SFP slot
MTTF	372 Years (Telcordia standard, 25°C temperature, 21% operating cycle (5 days a week, 8 hours a day))
Format	SFP (Small Form-factor Pluggable)
Basic functions	SFP module as FO port
	MSA compliant

Signaling

Status display	via a Factoryline device
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Electrical properties

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Maximum power dissipation for nominal condition	0.66 W (when installed)
Transmission medium	Multi-mode fiberglass

Supply

Supply voltage	3.3 V (via Factoryline switch)
Power supply connection	via SFP slot

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)	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	Ambient conditions
Standards/specifications	IEC 61850-3

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2891081>



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 9.0	EC000310
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UNSPSC

UNSPSC 21.0	43222600
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Environmental product compliance

EU RoHS

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

China RoHS

Environment friendly use period (EFUP)	EFUP-10
	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	aef054ae-5c82-4e70-bccd-335bd44f47fe