FL SFP FX SM - Media module

2891082

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CRA-READY



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) DDI, Digital DiagnosticMonitoring Interface

Your advantages

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

ELEKTROGERÄTE RÜCKNAHME

Commercial data

Item number	2891082
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN22
Product key	DNN612

GTIN	4046356800969
Weight per piece (including packing)	30.4 g
Weight per piece (excluding packing)	16 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
Note on application	As things stand now, we are preparing the product so that, as of December 11, 2027, it will comply with the requirements of the EU Cyber Resilience Act (CRA) based on the information currently available regarding the CRA.

Material specifications

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

Mounting

Mounting type	Plug-in mounting (SFP port)

Interfaces

Ethernet FO

Connection method	1 LC socket at the SFP module, 100 Mbps
Transmission speed	100 Mbps
Minimum receiver sensitivity	-35 dBm
Maximum receiver sensitivity	-3 dBm
Transmission physics	Single-mode fiberglass
Transmission length	typ. 40 km
Wavelength	1310 nm
Signal LEDs	depending on the Factoryline device
No. of channels	1 (LC single mode)
Output power	-12 dBm (maximum)
	-19 dBm (minimum)

Product properties

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

Signaling

Status display	via a Factoryline device

Electrical properties

Maximum power dissipation for nominal condition	0.66 W (when installed)

Transmission medium	Single-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

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

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2891082

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

ABS
Approval ID: 26-0501235-PDA

Classifications

ECLASS

ECLASS-13.0	19179090
ECLASS-15.0	19179090

ETIM

ETIM 10.0	EC002608

UNSPSC

UNSPSC 21.0	43222600

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	4d429d42-8850-4841-b291-c0aa50fcb10a

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