FL SFP FX SM - Media module

2891082

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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	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

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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

Material specifications

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)

Product properties

Product type	SFP module
Type	Factoryline devices with SFP slot
Format	SFP (Small Form-factor Pluggable)
Basic functions	SFP module as FO port
	MSA compliant

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

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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

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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 9.0	EC000310

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	4d429d42-8850-4841-b291-c0aa50fcb10a

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