

# FL IF 2FX SC-F - Media module



2832412

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Fiber optic interface module for connecting 100 Base-FX multi-mode glass fibers (1300 nm), SC, connection direction forward

## Your advantages

- Robust Ethernet transmission even for medium-range environments prone to interference

## Commercial data

Item number	2832412
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN17
Product key	DNN123
GTIN	4017918974466
Weight per piece (including packing)	102.9 g
Weight per piece (excluding packing)	80 g
Customs tariff number	85176200
Country of origin	DE

## Technical data

### Notes

#### Note on application

Note on application	Only for industrial use
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### Product properties

Product type	Extension module
Type	Stand-alone

### System properties

#### Functionality

Basic functions	Media module for modular managed switch
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### Electrical properties

Electrical isolation	100Base-FX // supply
Local diagnostics	LEDs at head station / extension module
Maximum power dissipation for nominal condition	21.6 W
Test voltage	2 kV AC
Transmission medium	Copper
	FO

#### Supply

Supply voltage	via head station
Power supply connection	from FL SWITCH GHS or FXT
Typical current consumption	200 mA

### Interfaces

#### Ethernet: 100Base-FX in acc. with IEEE 802.3

Transmission length	10000 m (maximum (depends on the fiber used))
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#### Ethernet: 100Base-FX in acc. with IEEE 802.3

Connection method	SC
Transmission speed	100 Mbps
Transmission length	2800 m (fiberglass with F-G 50/125 1.6 dB/km F800)
	6400 m (fiberglass with F-G 50/125 0.7 dB/km F1200)
	3000 m (fiberglass with F-G 62.5/125 2.6 dB/km F600)
	2800 m (fiberglass with F-G 50/125 1.6 dB/km F800)
Wavelength	1300 nm
No. of channels	2 (SC multi-mode)

### Dimensions

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Dimensional drawing	
Width	31 mm
Height	75.7 mm
Depth	72.5 mm

## Material specifications

Color	green
Flammability rating according to UL 94	V0
Housing material	PA

## Mechanical tests

Shock in accordance with EN 60068-2-27/IEC 60068-2-27	: Operation: 25g, 11 ms duration, semi-sinusoidal shock impulse
	: Storage/Transport: 50g, 11 ms duration, semi-sinusoidal shock impulse

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	0 °C ... 55 °C (non-condensing)
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Permissible humidity (operation)	10 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	10 % ... 95 % (non-condensing)
Vibration (operation)	in acc. with IEC 60068-2-6: 5g, 150 Hz

## EMC data

Electromagnetic compatibility	Conformance with EMC Directive 2004/108/EC
Conformance with EMC directives	IEC 61000-6-2 IEC 61000-4-2 (ESD) Criterion B
	IEC 61000-4-3 (immunity to radiated interference) Criterion A
	IEC 61000-4-4 (burst) Criterion A
	IEC 61000-4-5 (surge) Criterion A
	IEC 61000-4-6 (immunity to conducted interference) Criterion A
	IEC 61000-4-8 (immunity to magnetic fields) Criterion A
	EN 55022 (emitted interference) Criterion A
Noise immunity	EN 61000-6-2:2005

### Noise emission

Standards/regulations	EN 61000-6-3/-4
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## Standards and regulations

Free from substances that could impair the application of coating	In acc. with VW specification
Electrical isolation	100Base-FX // supply

## Mounting

Mounting type	In the host system
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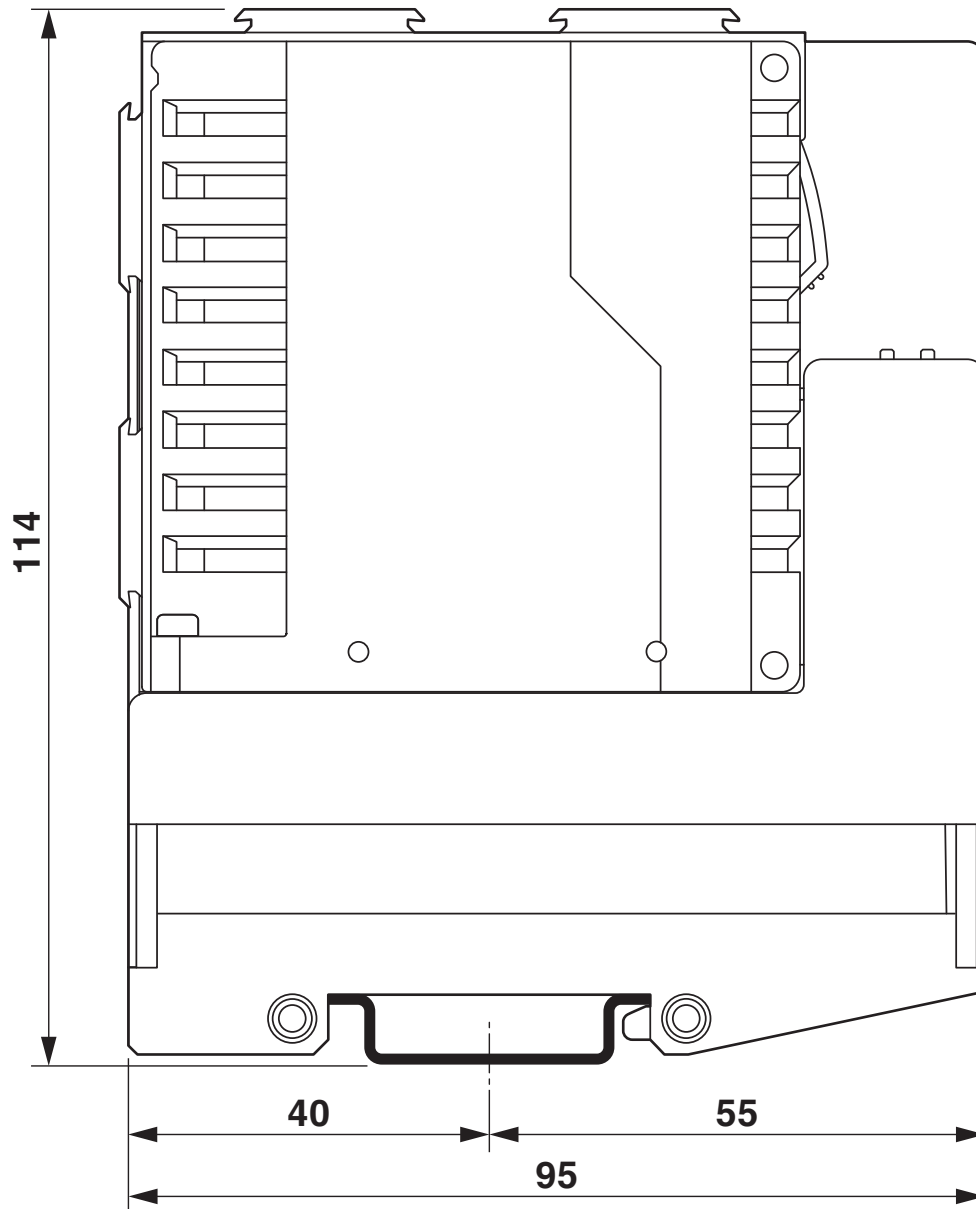
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## Drawings

Dimensional drawing



The figure shows a version of the interface module with the head station FL SWITCH MM HS

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## Classifications

### ECLASS

ECLASS-13.0

19170411

### ETIM

ETIM 9.0

EC001467

### UNSPSC

UNSPSC 21.0

43201500

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## Environmental product compliance

### EU RoHS

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

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	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.)	No substance above 0.1 wt%
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