

# FL IF 2FX SM SC-D - Media module



2832205

<https://www.phoenixcontact.com/in/products/2832205>

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FO interface module for connecting 100 Base-FX single mode glass fibers (1300 nm), SC, connection direction downward

## Product description

For customers who wish to use this Interface module in the FL SWITCH MM HS (Item No. 2832328), please refer to the document entitled "Customer information for IF modules" in the download area for this Interface module.

## Your advantages

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

## Commercial data

Item number	2832205
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DNN
Product key	DNN123
Catalog page	Page 331 (C-6-2019)
GTIN	4017918952266
Weight per piece (including packing)	107 g
Weight per piece (excluding packing)	80 g
Customs tariff number	85176200
Country of origin	DE

## Technical data

### Notes

#### Utilization restriction

EMC note	EMC: class A product, see manufacturer's declaration in the download area
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### Product properties

Type	fine granularity
Product type	Extension module

### 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

Connection method	SC
Transmission speed	100 Mbps
Transmission length	36000 m (maximum (depends on the fiber used))
No. of channels	2

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

Connection method	SC
Transmission speed	100 Mbps
Transmission length	36000 m (fiberglass with F-G 9/125 0.36 dB/km)
	32000 m (fiberglass with F-G 9/125 0.4 dB/km)
	26000 m (fiberglass with F-G 9/125 0.5 dB/km)
Wavelength	1300 nm
No. of channels	2 (SC single mode)

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## Dimensions

Width	31 mm
Height	85 mm
Depth	72.5 mm

## Material specifications

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

## 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

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
Electromagnetic compatibility	Conformance with EMC Directive 2004/108/EC
Noise emission	EN 61000-6-3/-4

## 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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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/in/products/2832205>



**cUL Recognized**  
Approval ID: FILE E 140324



**UL Recognized**  
Approval ID: FILE E 140324



**cUL Listed**  
Approval ID: FILE E 199827



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## Classifications

### ECLASS

ECLASS-11.0	19170411
ECLASS-12.0	19170411
ECLASS-13.0	19170411

### ETIM

ETIM 9.0	EC001467
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### UNSPSC

UNSPSC 21.0	43201500
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## Environmental product compliance

China RoHS	Environmentally Friendly Use Period = 50 years For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"
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