

FL IF 2FX SC-F - Media module



2832412

<https://www.phoenixcontact.com/gb/products/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	DNN123
Product key	DNN123
Catalog page	Page 330 (C-6-2019)
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

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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	Stand-Alone
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

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

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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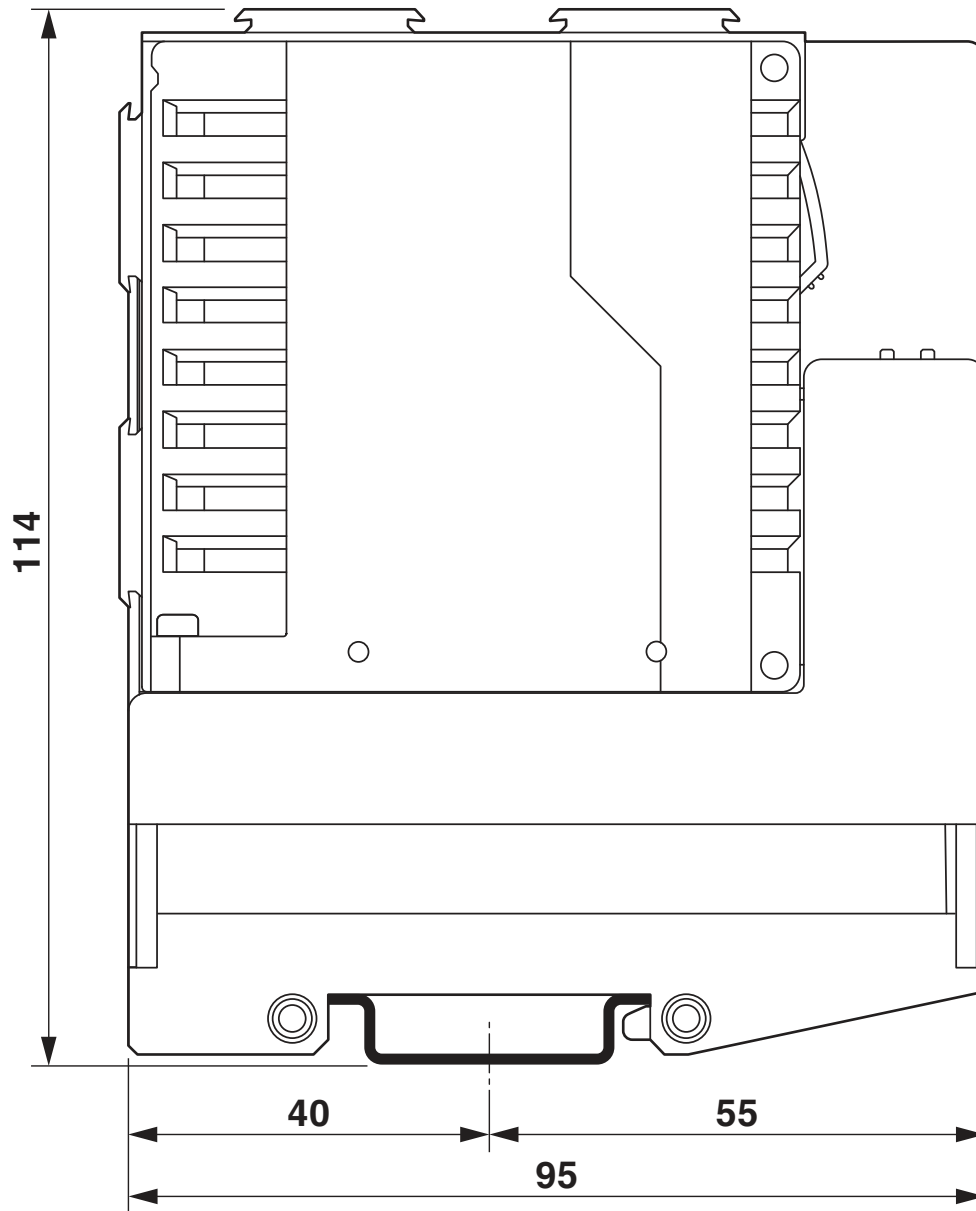
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Drawings

Dimensional drawing



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

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/gb/products/2832412>



cUL Recognized
Approval ID: FILE E 140324



UL Recognized
Approval ID: FILE E 140324



EAC
Approval ID: RU*DE*08.B.00731/19



KC
Approval ID: KCC-REI-PCK-FL283241



cUL Listed
Approval ID: FILE E 199827



UL Listed
Approval ID: FILE E 199827

cULus Recognized

cULus Listed

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Classifications

ECLASS

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

ETIM

ETIM 8.0	EC001467
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UNSPSC

UNSPSC 21.0	43201500
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Accessories

FOC-LC:PA-SC:PA-OM2:D01/1 - FO patch cable

1115607

<https://www.phoenixcontact.com/gb/products/1115607>

Multi-mode OM2 duplex jumper, LC-SC, UPC polishing, length 1 m



FOC-LC:PA-SC:PA-OM2:D01/2 - FO patch cable

1115605

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Multi-mode OM2 duplex jumper, LC-SC, UPC polishing, length 2 m



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FOC-SC:PA-SC:PA-OM2:D01/1 - FO patch cable

1115536

<https://www.phoenixcontact.com/gb/products/1115536>

Multi-mode OM2 duplex jumper, SC-SC, UPC polishing, length 1 m



FOC-SC:PA-SC:PA-OM2:D01/2 - FO patch cable

1115535

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Multi-mode OM2 duplex jumper, SC-SC, UPC polishing, length 2 m



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FOC-ST:PA-SC:PA-OM2:D01/1 - FO patch cable

1115574

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Multi-mode OM2 duplex jumper, ST-SC, UPC polishing, length 1 m



FOC-ST:PA-SC:PA-OM2:D01/2 - FO patch cable

1115573

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Multi-mode OM2 duplex jumper, ST-SC, UPC polishing, length 2 m



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FOC-LC:PA-SC:PA-OM4:D01/1 - FO patch cable

1115601

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Multi-mode OM4 duplex jumper, LC-SC, UPC polishing, length 1 m



FOC-LC:PA-SC:PA-OM4:D01/2 - FO patch cable

1115600

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Multi-mode OM4 duplex jumper, LC-SC, UPC polishing, length 2 m



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FOC-SC:PA-SC:PA-OM4:D01/1 - FO patch cable

1115424

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Multi-mode OM4 duplex jumper, SC-SC, UPC polishing, length 1 m



FOC-SC:PA-SC:PA-OM4:D01/2 - FO patch cable

1115423

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Multi-mode OM4 duplex jumper, SC-SC, UPC polishing, length 2 m



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PSM-LWL-GDM-RUGGED- 50/125 - FO cable

2799322

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Fiber glass cable, duplex 50 μm /125 μm , by the meter, without male connector, for installation in stationary systems and machines

PSM-LWL-GDO- 50/125 - FO cable

2799432

<https://www.phoenixcontact.com/gb/products/2799432>



Fiberglass cable, duplex 50/125 μm , by the meter, without connector, for outdoor installation

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FOC-GDM-RUGGED-1016/IP20/... - FO patch cable

2901558

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Robust GOF installation cable for assembly (IP20 heads only) for installation in stationary systems and machines, aramid strain-relief elements, with individual elements made from FRNC material, halogen-free, ozone and UV resistant, with a polyurethane (PUR) outer sheath

FOC-GDO-1017/IP20/... - FO patch cable

2901559

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Highly rugged GOF round cable (IP20 heads only) for assembly and for outdoor installation with integrated moisture barrier as well as rodent-proof scrim. Individual elements made from highly flexible FRNC material. The wire is ozone and UV resistant with a very rugged polyethylene outer sheath.

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FOC-PN-HCS-GI-1005/IP20/... - FO patch cable

2901554

<https://www.phoenixcontact.com/gb/products/2901554>



PROFINET HCS GI installation cable for assembly (IP20 heads only), suitable for drag chains, for indoor installation, gradient index fibers. Individual elements made from highly flexible FRNC material. Halogen-free, ozone and UV resistant with a polyurethane (PUR) outer sheath.

FOC-PN-HCS-GI-1005/... - FO patch cable

1402189

<https://www.phoenixcontact.com/gb/products/1402189>



HCS-GI installation cable for assembly for fixed installation in the inner area, with gradient index fibers for the highest performance requirements, as well as individual elements made of highly flexible FRNC material. The cable is halogen-free, ozone and UV resistant and has a rugged polyurethane (PUR) outer sheath.

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ZBF 29:UNBEDRUCKT - Zack Marker strip, flat

0829003

<https://www.phoenixcontact.com/gb/products/0829003>



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 29 mm, lettering field size: 29 x 6.4 mm, Number of individual labels: 30

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