

FL IF 2FX SC-F - Media module



2832412

<https://www.phoenixcontact.com/sk/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	DNN
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

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
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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

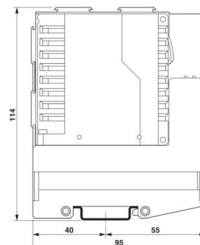
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Dimensional drawing



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

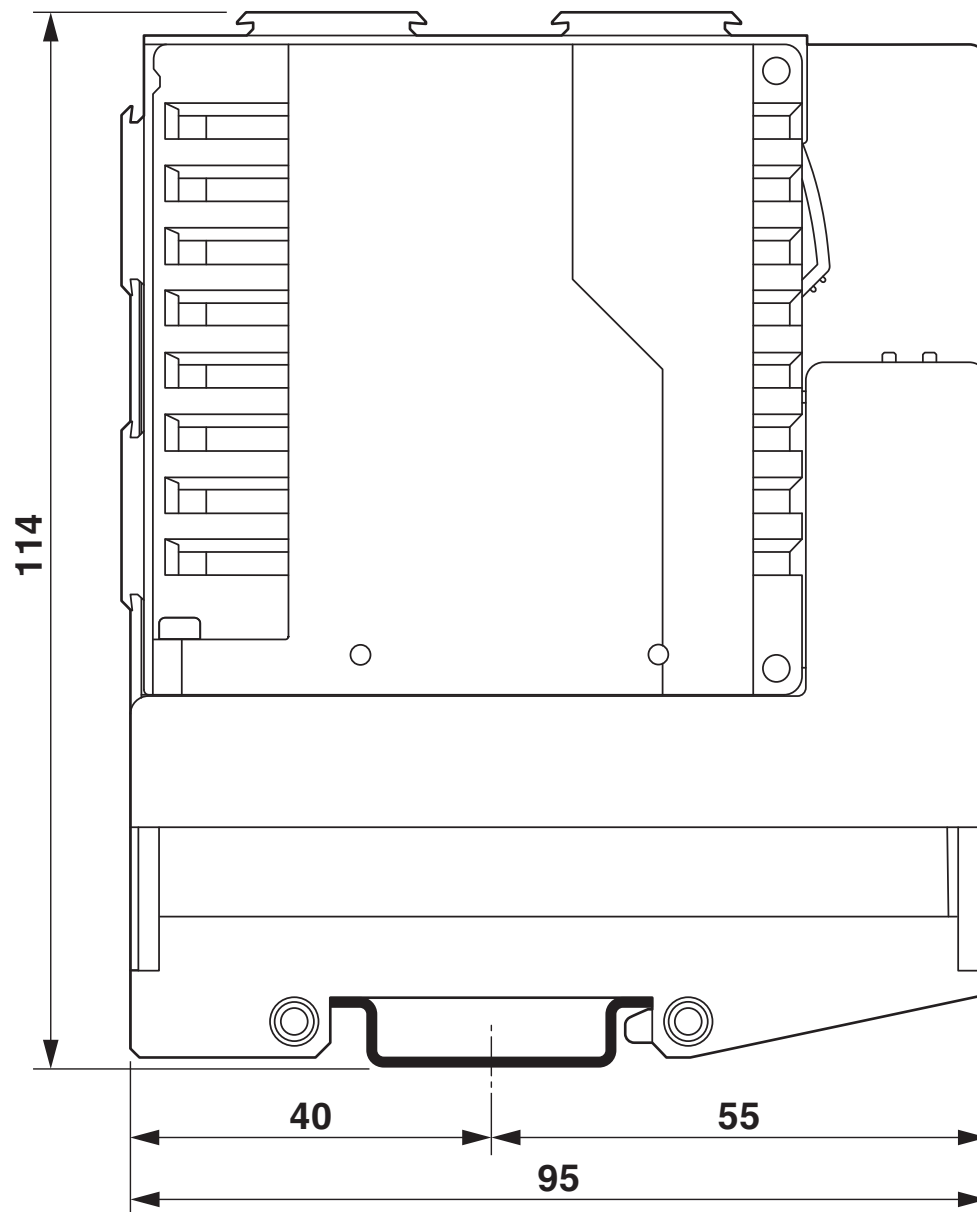
Free from substances that could impair the application of coating	In acc. with VW specification
Electrical isolation	100Base-FX // supply

Mounting

Mounting type	In the host system
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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/sk/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

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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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