FL IF 2FX SC-D - Media module

2832425

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The figure shows a version with front connection

Fiber optic interface module for connecting 100 Base-FX multi-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	2832425
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN17
Product key	DNN123
GTIN	4017918929138
Weight per piece (including packing)	105.2 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

Product properties

Product type	Extension module
Type	Stand-alone

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
Ground connection	via head station

Interfaces

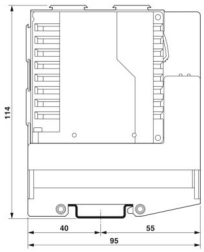
Ethernet: 100Base-FX in acc. with IEEE 802.3

Connection method	SC
Transmission speed	100 Mbps (connection direction downwards)
Transmission length	10000 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	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

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
Vibration resistance in accordance with EN 60068-2-6/IEC 60068-2-6	: Operation/Storage/Transport: 5g, 150 Hz, Criterion 3

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

Standards and regulations

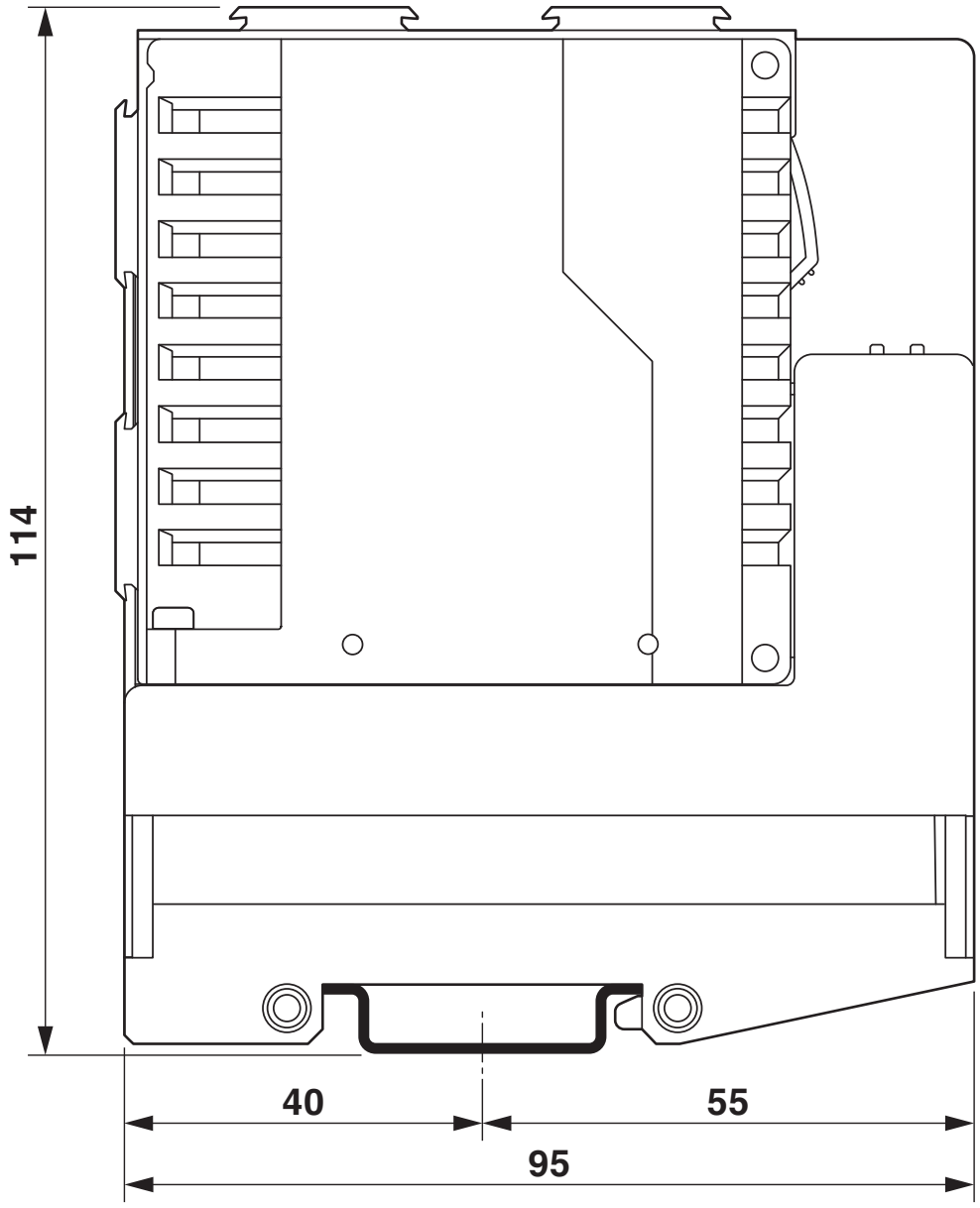
Free from substances that could impair the application of coating	In acc. with VW specification
Electrical isolation	100Base-FX // supply

Mounting

Mounting type	In the host system

Drawings

Dimensional drawing



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

Classifications

ECLASS

ECLASS-13.0	19170411

ETIM

ETIM 9.0	EC001467

UNSPSC

UNSPSC 21.0	43201500

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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