

Media module - FL IF 2FX SM SC-D - 2832205

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

The figure shows a version with front connection

Product Description


For customers who wish to use this Interface module in the FL SWITCH MM HS (Order 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



Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 952266
GTIN	4017918952266

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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Dimensions

Width	31 mm
Height	85 mm
Depth	72.5 mm

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)

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Technical data

Ambient conditions

Permissible humidity (storage/transport)	10 % ... 95 % (non-condensing)
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Interfaces

Interface	Ethernet: 100Base-FX in acc. with IEEE 802.3
No. of ports	2
Transmission speed	100 Mbps
Transmission length	36000 m (maximum (depends on the fiber used))
Interface	Ethernet: 100Base-FX in acc. with IEEE 802.3
No. of ports	2
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

Function

Basic functions	Media module for modular managed switch
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Supply voltage

Supply voltage	via head station
Typical current consumption	200 mA

General

Mounting type	In the host system
Type AX	Fine granularity
Net weight	80 g
Housing material	PA

Mechanical tests

Type of test	Shock in acc. with EN 60068-2-27/IEC 60068-2-27
Test result	Operation: 25g, 11 ms duration, semi-sinusoidal shock impulse
Type of test	Shock in acc. with EN 60068-2-27/IEC 60068-2-27
Test result	Storage/Transport: 50g, 11 ms duration, semi-sinusoidal shock impulse
Flammability rating according to UL 94	V0

Conformity with EMC directives

Developed in acc. with standard	IEC 61000-6-2
Test standard	IEC 61000-4-2 (ESD)
Test result	Criterion B
Test standard	IEC 61000-4-3 (immunity to radiated interference)
Test result	Criterion A
Test standard	IEC 61000-4-4 (burst)
Test result	Criterion A
Test standard	IEC 61000-4-5 (surge)

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Conformity with EMC directives

Test result	Criterion A
Test standard	IEC 61000-4-6 (immunity to conducted interference)
Test result	Criterion A
Test standard	IEC 61000-4-8 (immunity to magnetic fields)
Test result	Criterion A
Test standard	EN 55022 (emitted interference)
Test result	Criterion A

Standards and Regulations

Electromagnetic compatibility	Conformance with EMC Directive 2004/108/EC
Type of test	Shock in acc. with EN 60068-2-27/IEC 60068-2-27
Test result	Operation: 25g, 11 ms duration, semi-sinusoidal shock impulse
Type of test	Shock in acc. with EN 60068-2-27/IEC 60068-2-27
Test result	Storage/Transport: 50g, 11 ms duration, semi-sinusoidal shock impulse
Noise emission	EN 61000-6-3/-4
Noise immunity	EN 61000-6-2:2005
Vibration (storage/transport)	5g, 150 Hz, in acc. with IEC 60068-2-6
Free from substances that could impair the application of coating	In acc. with VW specification
Connection in acc. with standard	CUL
Electrical isolation	100Base-FX // supply
Flammability rating according to UL 94	V0
Vibration (operation)	in acc. with IEC 60068-2-6: 5g, 150 Hz

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Classifications

eCl@ss

eCl@ss 4.0	27250500
eCl@ss 4.1	27250500
eCl@ss 5.0	27250500
eCl@ss 5.1	27250500
eCl@ss 6.0	27250500
eCl@ss 7.0	19170390
eCl@ss 8.0	19170390
eCl@ss 9.0	19170390

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Classifications

ETIM

ETIM 2.0	EC000734
ETIM 3.0	EC000734
ETIM 4.0	EC001467
ETIM 5.0	EC000309
ETIM 6.0	EC000309
ETIM 7.0	EC000309

UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201410
UNSPSC 13.2	43201410
UNSPSC 18.0	43223108
UNSPSC 19.0	43223108
UNSPSC 20.0	43223108
UNSPSC 21.0	43223108

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / cULus Recognized

Ex Approvals

UL Listed / cUL Listed / cULus Listed

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 140324
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cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 140324
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Approvals

cULus Recognized



Accessories

Accessories

Data cable preassembled

FO patch cable - FOC-SC:PA-SC:PA-OS2:D01/1 - 1115550



Single-mode OS2 duplex jumper, SC-SC, UPC polishing, length 1 m

FO patch cable - FOC-SC:PA-SC:PA-OS2:D01/2 - 1115548



Single-mode OS2 duplex jumper, SC-SC, UPC polishing, length 2 m

FO patch cable - FOC-ST:PA-SC:PA-OS2:D01/1 - 1115582



Single-mode OS2 duplex jumper, ST-SC, UPC polishing, length 1 m

FO patch cable - FOC-ST:PA-SC:PA-OS2:D01/2 - 1115581



Single-mode OS2 duplex jumper, ST-SC, UPC polishing, length 2 m

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Accessories

FO patch cable - FOC-LC:PA-SC:PA-OS2:D01/1 - 1115618



Single-mode OS2 duplex jumper, LC-SC, UPC polishing, length 1 m

FO patch cable - FOC-LC:PA-SC:PA-OS2:D01/2 - 1115617



Single-mode OS2 duplex jumper, LC-SC, UPC polishing, length 2 m

Terminal marking

Zack Marker strip, flat - ZBF 29:UNBEDRUCKT - 0829003



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into flat marker groove, for terminal block width: 29 mm, lettering field size: 29 x 6.4 mm, Number of individual labels: 3

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