PHŒNIX CONTACT

Media module - FL IF 2FX ST-D - 2884033

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Fiber optic interface module for connecting 100 Base-FX multi-mode glass fibers (1300 nm), ST, connection direction downward

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

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4046356049498
Weight per Piece (excluding packing)	80.000 g
Custom tariff number	85176200
Country of origin	Germany

Technical data

Note

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

Dimensions

Width	31 mm
Height	83 mm
Depth	72.5 mm

Media module - FL IF 2FX ST-D - 2884033

Technical data

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)

Interfaces

Interface	Ethernet: 100Base-FX in acc. with IEEE 802.3
Transmission length	10000 m (maximum (depends on the fiber used))
Interface	Ethernet: 100Base-FX in acc. with IEEE 802.3
No. of ports	2 (ST multi-mode)
Transmission speed	100 Mbps
Transmission length	10000 m (fiberglass with F-G 62.5/125 0.7 dB/km F1000)
	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

Function

Basic functions	Media module for modular managed switch

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

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)

Media module - FL IF 2FX ST-D - 2884033

Technical data

Conformity with EMC directives

Test result	Criterion A
Test standard	IEC 61000-4-5 (surge)
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
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: unlimited = EFUP-e
	No hazardous substances above threshold values

Classifications

eCl@ss

eCl@ss 4.0	27250500
eCl@ss 4.1	27250500
eCl@ss 5.0	19030100
eCl@ss 5.1	19030100
eCl@ss 6.0	19170100
eCl@ss 7.0	19170390
eCl@ss 8.0	19170390
eCl@ss 9.0	19170390

Media module - FL IF 2FX ST-D - 2884033

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

Approval details

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

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

Media module - FL IF 2FX ST-D - 2884033

Approvals

cULus Recognized

Accessories

Accessories

Data cable by the meter

FO cable - PSM-LWL-GDM-RUGGED- 50/125 - 2799322

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

FO cable - PSM-LWL-GDO- 50/125 - 2799432

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

FO cable - FL FOC PN-C-HCS-GI-200/230 - 2313410

PROFINET HCS GI fiber cables, duplex 200/230 µm, increased bandwidth for Ethernet applications in particular. Robust PUR outer sheath. Heavy version suitable for drag chains and indoor installation, sold by the meter without plugs

Data cable preassembled

FO patch cable - FOC-ST:PA-SC:PA-OM2:D01/1 - 1115574

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

Media module - FL IF 2FX ST-D - 2884033

Accessories

FO patch cable - FOC-ST:PA-SC:PA-OM2:D01/2 - 1115573

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

FO patch cable - FOC-ST:PA-ST:PA-OM2:D01/1 - 1115560

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

FO patch cable - FOC-ST:PA-ST:PA-OM2:D01/2 - 1115557

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

Fiber optic cable - FOC-LC:PA-ST:PA-OM2:D01/1 - 1115588

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

Fiber optic cable - FOC-LC:PA-ST:PA-OM2:D01/2 - 1115587

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

Media module - FL IF 2FX ST-D - 2884033

Accessories

FO patch cable - FOC-GDM-RUGGED-1016/IP20/... - 2901558

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

FO patch cable - FOC-GDM-RUGGED-1016/... - 1402193

rugged GOF installation cable for inner areas with highly tear-proof aramid strain-relief elements. Individual elements consist of highly flexible FRNC material. The cable is halogen-free, ozone and UV resistant and has a rugged polyurethane (PUR) outer sheath.

FO patch cable - FOC-GDO-1017/IP20/... - 2901559

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.

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

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

Terminal marking

Media module - FL IF 2FX ST-D - 2884033

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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