

FL SWITCH FX/FX - Industrial Ethernet Switch



2831086

<https://www.phoenixcontact.com/us/products/2831086>

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Ethernet switch with redundancy option, fiberglass backbone, uplinks: 2 10/100Base-FX ports, full duplex SC plug, downlinks: 5 10/100Base-T(X) ports, RJ45 sockets, integrated web server function, integrated management agent, DIN-rail mountable

Commercial data

Item number	2831086
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DN17
Product key	DNN122
GTIN	4017918599355
Weight per piece (including packing)	1.231 kg
Weight per piece (excluding packing)	1.231 kg
Customs tariff number	85176200
Country of origin	DE

Technical data

Dimensions

Width	110 mm
Height	131 mm
Depth	111 mm

Mounting

Mounting type	DIN rail mounting
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Interfaces

Ethernet

Connection method	RJ45
Note on the connection method	7 ports, 5 of which are 10/100 BASE-T(X) auto negotiation
Transmission speed	10/100 bps
Transmission length	111 mm
No. of channels	5

Ethernet (Uplinks)

Connection method	2 ports 100Base-FX (multimode fiberglass), connection system: Full duplex SC connector
No. of channels	2

Other interfaces

Connection method	Stand-by connection via RJ45 and crossover cable, serial interface via 6-position RJ11 female connector
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Product properties

Product type	Switch
Type	Stand-alone

Switch functions

Basic functions	Switch, store and forward-switching mode, 2 priority classes and basic filtering in acc. with IEEE 802.1 D, TCP/IP protocol, BootP and TFTP-capable, connection mirroring
Status and diagnostic indicators	LEDs: UL1 and UL2 (redundant power supply voltage), STANDBY, RM (redundancy manager) link and receive LED per port
Supported browsers	Netscape Communicator from Version 4.5 necessary or Internet Explorer from Version 4.01, Plugin "Java Runtime Environment" Version 1.2
Additional functions	Autonegotiation

Security functions

Basic functions	Switch, store and forward-switching mode, 2 priority classes and basic filtering in acc. with IEEE 802.1 D, TCP/IP protocol, BootP and TFTP-capable, connection mirroring
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Electrical properties

Maximum power dissipation for nominal condition	4.6 W
Transmission medium	FO

Supply

Supply voltage	24 V DC (redundant via COMBICON; max. conductor cross-section 2.5 mm ²)
Supply voltage range	18.5 V DC ... 30.2 V DC
Residual ripple	3.6 V _{PP} (within the permitted voltage range)
Max. current consumption	800 mA (to U _S)

Connection data

Connection method	RJ45, shielded
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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	0 °C ... 55 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

EMC data

Electromagnetic compatibility	Conformance with EMC directive 89/336/EC
Conformance with EMC directives	IEC 61000-4-2 (ESD) Class 3; Air discharge 8 kV, Contact discharge 6 kV
	IEC 61000-4-3 (electromagnetic fields) at 10 V/m no impairment to functions)
	IEC 61000-4-4 (burst) Criterion A, no destruction, no permanent malfunctions
	IEC 61000-4-5 (surge) Criterion A, no destruction, no permanent malfunctions
	IEC 61000-4-6 (conductor-specific interferences) Criterion A, at 10 V no impairment to functions
Noise immunity	EN 55022 (radio interference fields) Class A EN 61000-6-2:2005

Noise emission

Standards/regulations	EN 50081-2
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System properties

Functionality

Basic functions	Switch, store and forward-switching mode, 2 priority classes and basic filtering in acc. with IEEE 802.1 D, TCP/IP protocol, BootP and TFTP-capable, connection mirroring
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System requirements

Supported browsers	Netscape Communicator from Version 4.5 necessary or Internet Explorer from Version 4.01, Plugin "Java Runtime Environment"
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	Version 1.2
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Signaling

Status display	LEDs: UL1 and UL2 (redundant power supply voltage), STANDBY, RM (redundancy manager) link and receive LED per port
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Environmental product compliance

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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