

# FL SWITCH TX/TX - Industrial Ethernet Switch



2832030

<https://www.phoenixcontact.com/us/products/2832030>

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

The figure shows version FL SWITCH FX/FX

## Commercial data

Item number	2832030
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DN17
Product key	DNN122
GTIN	4017918599348
Weight per piece (including packing)	1.227 kg
Weight per piece (excluding packing)	1.227 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	7 ports, 5 of which are 10/100Base-T(X) auto negotiation
Transmission speed	10/100 Mbps
No. of channels	5

#### 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	3 W
Transmission medium	Copper

#### Supply

Supply voltage	24 V DC (redundant via COMBICON; max. conductor cross-section 2.5 mm <sup>2</sup> )
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Supply voltage range	18.5 V DC ... 30.2 V DC
Residual ripple	3.6 V <sub>PP</sub> (within the permitted voltage range)
Max. current consumption	800 mA (to U <sub>S</sub> )

## 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
	EN 55022 (radio interference fields) Class A
Noise immunity	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" 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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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)