

## FL SWITCH TX/TX

This item is no longer available. Should you have any questions, please contact our Sales Team.


Order No.: 2832030

The illustration shows version FL SWITCH FX/FX



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2832030>

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

Commercial data	
GTIN (EAN)	 4 017918 599348
Note	Made-to-order
sales group	K000
Pack	1 pcs.
Customs tariff	85176200

### Product notes

WEEE/RoHS-compliant since:  
01/01/2003



<http://www.download.phoenixcontact.com>  
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

## Technical data

### Interfaces

Interface 1	Ethernet
Connection method	7 ports, 5 of which are 10/100Base-T(X) autonegotiation
Interface 2	Ethernet (Uplinks)
Connection method	RJ45 female connector
Interface 3	Other interfaces
Connection method	Stand-by connection via RJ45 and cross-over cable, serial interface via 6-position RJ11 female connector

### Function

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
Management	Integrated Management Agent, SNMP protocol (private MIB, MIB-2, RMON MIB, Bridge MIB), integrated Web server function
Supported browsers	Netscape Communicator from Version 4.5 necessary or Internet Explorer from Version 4.01, Plugin "Java Runtime Environment" Version 1.2
Redundancy	Integrated redundancy manager for ETHERNET ring (quick media redundancy: 500 ms for 50 switches), redundant connection of end-of-line units and segments to two switches (active and stand-by)
Status and diagnostic indicators	LEDs: UL1 and UL2 (redundant power supply voltage), STANDBY, RM (redundancy manager) link and receive LED per port

### Network expansion parameters

Cascading depth	Line and star structure: Any, redundant ring: 50 (with reconfiguration time <500 ms)
Maximum conductor length ((twisted pair)	100 m

### Supply voltage

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

### General data

Width	110 mm
-------	--------

---

Height	131 mm
Depth	111 mm
Mounting type	DIN rail
Type AX	Stand-alone
Weight	850 g
Degree of protection	IP20
Ambient temperature (operation)	0 °C ... 55 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Noise emission	EN 50081-2
Noise immunity	EN 61000-6-2:2005

#### Mechanical tests

Type of test	Shock test in acc. with IEC 60068-2-27
Test result	Operation: 25 g, 11 ms duration, semi-sinusoidal shock impulse
Type of test	Shock test in acc. with IEC 60068-2-27
Test result	Storage/Transport: 50 g, 11 ms duration, semi-sinusoidal shock impulse
Type of test	Vibration resistance in acc. with IEC 60068-2-6
Test result	Operation/Storage/Transport: 5 g, 150 Hz, Criterion 3
Type of test	Free fall in acc. with IEC 60068-2-32
Test result	1 m

#### Conformity with EMC directives

Test standard	IEC 61000-4-2 (ESD)
Test result	Class 3; Air discharge 8 kV, Contact discharge 6 kV
Test standard	IEC 61000-4-3 (electromagnetic fields)
Test result	At 10 V/m no impairment to functions)
Test standard	IEC 61000-4-4 (burst)
Test result	Criterion A, no destruction, no permanent malfunctions
Test standard	IEC 61000-4-5 (surge)
Test result	Criterion A, no destruction, no permanent malfunctions
Test standard	IEC 61000-4-6 (conductor-specific interferences)
Test result	Criterion A, at 10 V no impairment to functions)
Test standard	EN 55022 (radio interference fields)
Test result	Class A

## Certificates / Approvals



Certification GOST

## Accessories

Item	Designation	Description
<b>Cable/conductor</b>		
2744830	FL CAT5 FLEX	CAT5-SF/UTP cable (J-LI02YS(ST)C H 2 x 2 x 26 AWG), light-duty, flexible installation cable 2 x 2 x 0.14 mm <sup>2</sup> , stranded, shielded, outer sheath: 5.75 mm ± 0.15 mm diameter
2744814	FL CAT5 HEAVY	CAT5-SF/UTP cable (J-02YS(ST)C HP 2 x 2 x 24 AWG), heavy-duty installation cable, 2 x 2 x 0.22 mm <sup>2</sup> , solid conductor, shielded, outer sheath: 7.8 mm diameter, inner sheath: 5.75 mm ± 0.15 mm diameter
2832043	FL SWITCH CAB	Cable for programming 9-pos. D-SUB/RJ11
<b>Plug/Adapter</b>		
2744571	FL PLUG RJ45 GN/2	RJ45 connector, shielded, with bend protection sleeve, 2 pieces, green for crossed cables, for assembly on site. For connections that are crossed, it is recommended that the connector set with green bend protection sleeves is used.
2744856	FL PLUG RJ45 GR/2	RJ45 connector, shielded, with bend protection sleeve, 2 pieces, gray for straight cables, for assembly on site. For connections that are not crossed, it is recommended that you use the connector set with gray bend protection sleeve.
<b>Software</b>		
2831044	FL SWT	Factory Manager, multilingual, configuration and diagnostics software for ETHERNET networks in automation
<b>Tools</b>		
2744869	FL CRIMPTOOL	Crimping pliers, for assembling the RJ45 connectors FL PLUG RJ45..., for assembly on site

**Address**

PHOENIX CONTACT Inc., USA  
586 Fulling Mill Road  
Middletown, PA 17057, USA  
Phone (800) 888-7388  
Fax (717) 944-1625  
<http://www.phoenixcon.com>



© 2011 Phoenix Contact  
Technical modifications reserved;