


## FL HUB 8TX-ZF

Order No.: 2832551

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DIN rail mountable Ethernet hub with eight RJ45 ports supports  
Ethernet with 10 Mbps as well as with 100 Mbps

### Commercial data

GTIN (EAN)	 4 017918 996215
Note	Made-to-order
sales group	K001
Pack	1 pcs.
Customs tariff	85176200
Catalog page information	Page 201 (AX-2009)

### Product notes

WEEE/RoHS-compliant since:  
07/12/2007



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www.download.phoenixcontact.com](http://www.download.phoenixcontact.com)  
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### Product description

Ethernet hub with eight RJ45 ports. The hub is used for quick and cost-effective Ethernet network expansion. It has eight twisted pair ports, which can be connected to additional network segments or termination devices. The FL HUB 8TX-ZF supports Ethernet with 10 Mbps as well as with 100 Mbps. The hub regenerates the data telegrams received and transmits them to the remaining ports. For port 5, a port assignment switch is located on the hub. The transmit and receive cables are exchanged at port 5 by actuating the switch, while polarity is maintained. Application: Simple expansion of networks without configuration.

## Technical data

### Interfaces

Interface	Ethernet
No. of ports	8
Type of connection	RJ45 female connector
Transmission physics	Ethernet RJ45
Transmission speed	10/100 MBit/s
Transmission length	100 m
Signal LEDs	Data receive, link status

### Function

Basic functions	Hub/repeater, compliance with IEEE 802.3
Status and diagnostic indicators	LEDs: UL (communications voltage), COL (collision) link and receive LED per port

### Network expansion parameters

Cascading depth	4 hubs 10 Mbps / 2 hubs 100 Mbps
Maximum conductor length ((twisted pair)	100 m

### Supply voltage

Supply voltage	24 V DC (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 ... 30.5 V DC
Typical current consumption	Typ. 144 mA (to US)

### General data

Weight	140 g
Width	45 mm
Height	99 mm
Depth	112 mm
Degree of protection	IP20
Ambient temperature (operation)	0 °C ... 60 °C
Ambient temperature (storage/transport)	-25 °C ... 70 °C
Permissible humidity (operation)	30 % ... 95 % (no condensation)
Permissible humidity (storage/transport)	30 % ... 95 % (no condensation)
Air pressure (operation)	86 kPa ... 108 kPa (1500 m above sea level)

Air pressure (storage/transport)	66 kPa ... 108 kPa (3500 m above sea level)
Noise emission	EN 61000-6-4
Noise immunity	EN 61000-6-2:2005

**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 B
Test standard	IEC 61000-4-5 (surge)
Test result	Criterion B
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

**Certificates / Approvals**



Certification CUL, UL  
 Certification Ex: CUL-EX LIS, UL-EX LIS

**Accessories**

Item	Designation	Description
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**Cable/conductor**

2832250	FL CAT5 PATCH 0,3	Patch cable, CAT5, assembled, 0.3 m
2832263	FL CAT5 PATCH 0,5	Patch cable, CAT5, assembled, 0.5 m

2832276	FL CAT5 PATCH 1,0	Patch cable, CAT5, assembled, 1.0 m
2832221	FL CAT5 PATCH 1,5	Patch cable, CAT5, assembled, 1.5 m
2832629	FL CAT5 PATCH 10,0	Patch cable, CAT5, assembled, 10.0 m
2832289	FL CAT5 PATCH 2,0	Patch cable, CAT5, assembled, 2.0 m
2832292	FL CAT5 PATCH 3,0	Patch cable, CAT5, assembled, 3.0 m
2832580	FL CAT5 PATCH 5,0	Patch cable, CAT5, assembled, 5.0 m
2832616	FL CAT5 PATCH 7,5	Patch cable, CAT5, assembled, 7.5 m

**General**

2832991	FL RJ45 PROTECT CAP	Dust protection caps for RJ45 female connector
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**Address**

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