

# FL HUB 8TX-ZF - Ethernet hub



2832551

<https://www.phoenixcontact.com/us/products/2832551>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



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

## 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.

## Your advantages

- Outcross port
- 10/100 Mbps, can be selected
- High port density

## Commercial data

Item number	2832551
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DN13
Product key	DNN141
GTIN	4017918996215
Weight per piece (including packing)	341.1 g
Weight per piece (excluding packing)	140 g
Customs tariff number	85176200
Country of origin	DE

# FL HUB 8TX-ZF - Ethernet hub



2832551

<https://www.phoenixcontact.com/us/products/2832551>

## Technical data

### Dimensions

Width	45 mm
Height	99 mm
Depth	112 mm

### Material specifications

Color	green
Housing material	Plastic

### Mounting

Mounting type	DIN rail mounting
---------------	-------------------

### Interfaces

#### Ethernet

Connection method	RJ45 jack
Transmission speed	10/100 Mbps
Transmission physics	Ethernet RJ45
Transmission length	100 m
Signal LEDs	Data receive, link status
No. of channels	8 (RJ45 ports)

### Product properties

Product type	Switch
Type	Stand-alone
Operating mode	Semi-duplex

#### Insulation characteristics

Protection class	III (IEC 61140, EN 61140, VDE 0140-1)
------------------	---------------------------------------

#### Switch functions

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

#### Security functions

Basic functions	Hub/repeater, compliance with IEEE 802.3
-----------------	--

### Electrical properties

Electrical isolation	10BASE-T//100BASE-TX//Supply
Local diagnostics	US Supply voltage Green LED
	COL Telegram collisions LED red
	Link status Green LED
Maximum power dissipation for nominal condition	3.456 W

# FL HUB 8TX-ZF - Ethernet hub



2832551

<https://www.phoenixcontact.com/us/products/2832551>

Test section	500 V DC 50 Hz 1 min
Transmission medium	Copper

## Supply

Supply voltage (DC)	24 V DC
Supply voltage range	18.5 V DC ... 30.5 V DC
Power supply connection	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)
Typical current consumption	typ. 144 mA (at U <sub>S</sub> = 24 V DC)

## Connection data

Connection method	RJ45, shielded
-------------------	----------------

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	0 °C ... 60 °C
Ambient temperature (storage/transport)	-25 °C ... 70 °C
Permissible humidity (operation)	30 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	30 % ... 95 % (non-condensing)
Vibration (operation)	in acc. with IEC 60068-2-6: 5g, 150 Hz
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)
Resistance to gases that may endanger the functions, in acc. with DIN 40046-36, DIN 40046-37	Sulfur dioxide (SO <sub>2</sub> ) 10 ±0.3 cm <sup>3</sup> /m <sup>3</sup> , hydrogen sulfide (H <sub>2</sub> S) 1 ±0.3 cm <sup>3</sup> /m <sup>3</sup> , at 25 °C and 75% humidity and exposure of four days

## Standards and regulations

Free from substances that could impair the application of coating	In acc. with VW specification
Electrical isolation	10BASE-T//100BASE-TX//Supply

## EMC data

Electromagnetic compatibility	Conformance with EMC Directive 2014/30/EU
Conformance with EMC directives	IEC 61000-6-2 IEC 61000-4-2 (ESD) Criterion B
	IEC 61000-4-3 (immunity to radiated interference) Criterion A
	IEC 61000-4-4 (burst) Criterion B
	IEC 61000-4-5 (surge) Class A
	IEC 61000-4-6 (immunity to conducted interference) Criterion A
	IEC 61000-4-8 (immunity to magnetic fields) Criterion A
	EN 55022 (emitted interference) Criterion A
Noise immunity	EN 61000-6-2:2005

### Noise emission

Standards/regulations	EN 61000-6-4
-----------------------	--------------

## System properties

# FL HUB 8TX-ZF - Ethernet hub



2832551

<https://www.phoenixcontact.com/us/products/2832551>

## Functionality

Basic functions

Hub/repeater, compliance with IEEE 802.3

## Signaling

Status display

LEDs: UL (communications voltage), COL (collision) link and receive LED per port

# FL HUB 8TX-ZF - Ethernet hub



2832551

<https://www.phoenixcontact.com/us/products/2832551>

## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 7(c)-I

### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
-------------------------------------	----------------------

Phoenix Contact 2026 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)