# FL HUB 8TX-ZF - Ethernet hub

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

# 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
Catalog page	Page 399 (C-6-2017)
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

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## 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
Connection method	RJ45, shielded

## 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

Туре	Stand-Alone
Product type	Switch
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
ectrical properties	
Electrical isolation	10BASE-T//100BASE-TX//Supply
Local diagnostics	US Supply voltage Green LED

COL Telegram collisions LED red

Link status Green LED

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Maximum power dissipation for nominal condition	3.456 W
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 $V_{\text{PP}}$ (within the permitted voltage range)
Typical current consumption	typ. 144 mA (at U <sub>S</sub> = 24 V DC)

#### 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

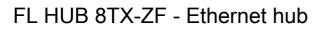
#### EMC data

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
Electromagnetic compatibility	Conformance with EMC Directive 2014/30/EU
Noise emission	EN 61000-6-4

### System properties

Functionality	
Basic functions	Hub/repeater, compliance with IEEE 802.3

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Signaling

Status display

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

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