PHŒNIX CONTACT

Ethernet hub - FL HUB 8TX-ZF - 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

☑ 10/100 Mbps (can be selected)

☑ High port density

☑ Outcross port

RoHS

Ethernet

Key Commercial Data

Packing unit	1 pc
GTIN	4 017918 996215
GTIN	4017918996215
Weight per Piece (excluding packing)	140.000 g
Custom tariff number	85176200
Country of origin	Germany

Technical data

Dimensions

Width	45 mm
Height	99 mm
Depth	112 mm

Ambient conditions

Degree of protection	IP20

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Ambient conditions

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)
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)

Interfaces

Interface	Ethernet
No. of ports	8 (RJ45 ports)
Transmission physics	Ethernet RJ45
Transmission speed	10/100 Mbps
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
Residual ripple	3.6 V_{PP} (within the permitted voltage range)
Supply voltage range	18.5 V DC ... 30.5 V DC
Typical current consumption	typ. 144 mA (at U_S = 24 V DC)

General

Mounting type	DIN rail
Type AX	Stand-alone
Net weight	140 g
Housing material	Plastic

Standards and Regulations

Electromagnetic compatibility	Conformance with EMC Directive 2014/30/EU
Noise emission	EN 61000-6-4
Noise immunity	EN 61000-6-2:2005
Vibration (storage/transport)	5g, 150 Hz, in acc. with IEC 60068-2-6
Free from substances that could impair the application of coating	In acc. with VW specification
Connection in acc. with standard	CUL
Electrical isolation	10BASE-T//100BASE-TX//Supply

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Standards and Regulations

Vibration (operation)	in acc. with IEC 60068-2-6: 5g, 150 Hz

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Classifications

eCl@ss

eCl@ss 4.0	27250501
eCl@ss 4.1	27250501
eCl@ss 5.0	27250501
eCl@ss 5.1	19030100
eCl@ss 6.0	19170100
eCl@ss 7.0	19170105
eCl@ss 8.0	19170105
eCl@ss 9.0	19170105

ETIM

ETIM 2.0	EC000734
ETIM 3.0	EC000734
ETIM 4.0	EC000731
ETIM 5.0	EC000731
ETIM 6.0	EC000731
ETIM 7.0	EC000731

UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201410
UNSPSC 13.2	43201410

Accessories

Accessories

Patch cable

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Accessories

Patch cable - FL CAT5 PATCH 0,3 - 2832250

Patch cable, CAT5, assembled, 0.3 m

Patch cable - FL CAT5 PATCH 0,5 - 2832263

Patch cable, CAT5, assembled, 0.5 m

Patch cable - FL CAT5 PATCH 1,0 - 2832276

Patch cable, CAT5, assembled, 1 m

Patch cable - FL CAT5 PATCH 1,5 - 2832221

Patch cable, CAT5, assembled, 1.5 m

Patch cable - FL CAT5 PATCH 2,0 - 2832289

Patch cable, CAT5, assembled, 2 m

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Patch cable - FL CAT5 PATCH 3,0 - 2832292

Patch cable, CAT5, assembled, 3 m

Patch cable - FL CAT5 PATCH 5,0 - 2832580

Patch cable, CAT5, assembled, 5 m

Patch cable - FL CAT5 PATCH 7,5 - 2832616

Patch cable, CAT5, assembled, 7.5 m

Patch cable - FL CAT5 PATCH 10,0 - 2832629

Patch cable, CAT5, assembled, 10 m

Protective cap

Dust protection - FL RJ45 PROTECT CAP - 2832991

Dust protection caps for RJ45 socket