

# FL SWITCH 1000T-8POE-GT-2SFP - Industrial Ethernet Switch



1026929

Electrical number: 6400414

<https://www.phoenixcontact.com/no/products/1026929>

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Unmanaged PoE Switches 1000, 2 SFP ports 1000 Mbps, 8 RJ45 ports 10/100/1000 Mbps

## Your advantages

- Auto negotiation
- Autocrossing
- Wide -40° ... +75°C temperature range
- Wide-range power supply of 18 ... 57 V DC
- POE status LED per port
- Redundant power supply
- Automatic detection of IEEE 802.3at or 802.3af powered devices

## Commercial data

Item number	1026929
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	31NDN1
Product key	DNN115
Catalog page	Page 303 (C-6-2019)
GTIN	4055626519975
Weight per piece (including packing)	1,469 g
Weight per piece (excluding packing)	1,151 g
Customs tariff number	85176200
Country of origin	TW

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## Technical data

### Dimensions

Width	63.5 mm
Height	145 mm
Depth	136 mm

### Notes

General	Mode A PoE
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### Mounting

Mounting type	DIN rail mounting
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### Interfaces

#### Fiber optic interface

Connection method	SFP
Transmission speed	1000 Mbps (full duplex)
Transmission physics	Depending on the SFP module
Transmission length	up to 80 km (Depending on the fiber/SFP module used)
No. of channels	2 (SFP ports)

#### Ethernet (PoE)

Connection method	RJ45 jack
Transmission speed	10/100/1000 Mbps
Transmission physics	Ethernet RJ45
Transmission length	100 m (Between transmitter / receiver)
Signal LEDs	LNK/ACT, POE
No. of channels	8 (RJ45 ports)

### Product properties

Type	Stand-Alone
Product type	Switch
Product family	Unmanaged PoE Switches 1000
MTTF	39.1 Years (MIL-HDBK-217F standard, temperature 25°C, operating cycle 100%)

#### Switch functions

Basic functions	Store-and-forward switch, 10/100/1000 Mbps, auto negotiation, redundant power supply, PoE according to IEEE 802.3at/802.3af, jumbo frames up to 10240 bytes, alarm contact
Signal contact control voltage	48 V DC
Signal contact control current	0.5 A

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Status and diagnostic indicators	LEDs: $U_{S1}$ , $U_{S2}$ (redundant voltage supply), Alarm (alarm contact), Link/Activity and PoE per Ethernet port
Additional functions	Autonegotiation

## Security functions

Basic functions	Store-and-forward switch, 10/100/1000 Mbps, auto negotiation, redundant power supply, PoE according to IEEE 802.3at/802.3af, jumbo frames up to 10240 bytes, alarm contact
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## Electrical properties

Local diagnostics	US1, US2 Supply voltage Green LED
	PoE PoE detection Orange LED
	LNK/ACT Link status/data transmission Green LED
	Alarm Power failure at US1 or US2/Link failure

## Supply

Supply voltage (DC)	24 V DC
	48 V DC
Supply voltage range	18 V DC ... 57 V DC
Power supply connection	Via COMBICON, max. conductor cross section 2.5 mm <sup>2</sup>
Inrush current	30.8 A (24 V DC for 1050 $\mu$ s)
Residual ripple	3.6 V <sub>PP</sub> (within the permitted voltage range)
Max. current consumption	6.2 A (Maximum, nominal load)
Typical current consumption	470 mA (at $U_S = 24$ V DC)

## Function

Signal contact control voltage	48 V DC
Signal contact control current	0.5 A

## Connection data

### Connection technology

Connection name	Power supply
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### Power supply

Connection method	COMBICON plug-in screw terminal block
Conductor cross section, rigid	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section, flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section AWG	24 ... 12
Stripping length	7 mm

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP30
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Ambient temperature (operation)	-40 °C ... 75 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	5 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	5 % ... 95 % (non-condensing)
Air pressure (operation)	57 kPa ... 108 kPa (up to 4850 m above mean sea level)
Air pressure (storage/transport)	57 kPa ... 108 kPa (up to 4850 m above mean sea level)

## Approvals

### Conformity/Approvals

Conformance	CE-compliant
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## 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 A
	IEC 61000-4-5 (surge) Criterion B
	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	
Electromagnetic compatibility	Conformance with EMC Directive 2004/108/EC

## System properties

### Functionality

Basic functions	Store-and-forward switch, 10/100/1000 Mbps, auto negotiation, redundant power supply, PoE according to IEEE 802.3at/802.3af, jumbo frames up to 10240 bytes, alarm contact
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## Signaling

Status display	LEDs: U <sub>S1</sub> , U <sub>S2</sub> (redundant voltage supply), Alarm (alarm contact), Link/Activity and PoE per Ethernet port
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## Classifications

### ECLASS

ECLASS-11.0	19170402
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### UNSPSC

UNSPSC 21.0	43222612
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## Environmental product compliance

China RoHS	Environmentally Friendly Use Period = 10; For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"
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