

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



1026929

<https://www.phoenixcontact.com/us/products/1026929>

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Unmanaged PoE Switch 1000 series, 2 SFP ports 1000 Mbps, 8 RJ45 ports 10/100/1000 Mbps, degree of protection: IP30, Ambient temperature (operation): -40 °C ... 75 °C, Supply voltage range: 18 V DC ... 57 V DC

## Your advantages

- Auto negotiation
- Autocrossing
- Wide temperature range -40 °C ... +75 °C
- 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
Sales key	DN18
Product key	DNN115
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

Notes on operation	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

Product type	Switch
Product family	Unmanaged PoE Switch 1000
Type	Stand-alone
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
Status and diagnostic indicators	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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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

## 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 µs)
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 <sub>S</sub> = 24 V DC)

## Function

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

## Connection data

### 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
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)

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## Approvals

### Conformity/Approvals

Conformance	CE-compliant
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## EMC data

Electromagnetic compatibility	Conformance with EMC Directive 2004/108/EC
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
Noise immunity	EN 55022 (emitted interference) Criterion A
Noise immunity	EN 61000-6-2:2019

### Noise emission

Standards/regulations	EN_61000-6-4:2019
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## 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

### UNSPSC

UNSPSC 21.0	43222612
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	15(a), 6(a)-I, 6(c), 7(a), 7(c)-I, 7(c)-IV

### China RoHS

Environment friendly use period (EFUP)	EFUP-10
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)