

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



1026765

<https://www.phoenixcontact.com/de/produkte/1026765>

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

## Your advantages

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

## Commercial Data

Item number	1026765
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	M2 - Netzwerktechnik
Product Key	DNN115
Catalog Page	Page 302 (C-6-2019)
GTIN	4055626519463
Weight per Piece (including packing)	569,3 g
Weight per Piece (excluding packing)	569,3 g
Customs tariff number	85176200
Country of origin	TW

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## Technical Data

### Dimensions

Width	42.8 mm
Height	100 mm
Depth	101 mm

### Notes

Notes on operation	Designed to function with all 48 V DC QUINT and TRIO power supplies.
Notes on operation	Mode A PoE

### Mounting

Mounting type	DIN rail mounting
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### Interfaces

#### Fiber optic interface

Connection method	SFP ports
Transmission speed	100/1000 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)

Number of interfaces	2
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	2 (RJ45 ports)

### Product properties

Type	Stand-Alone
Product type	Switch
MTTF	45.9 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 <sub>S1</sub> , U <sub>S2</sub> (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/orange LED
	Alarm Power failure at US1 or US2/Link failure

## Supply

Supply voltage (DC)	55 V DC (redundant)
Supply voltage range	52 V DC ... 57 V DC (>52 V DC for PoE+ recommended)
Power supply connection	Via COMBICON, max. conductor cross section 2.5 mm <sup>2</sup>
Inrush current	25.7 A (52 V DC for 1950 µs)
Residual ripple	3.6 V <sub>pp</sub> (within the permitted voltage range)
Max. current consumption	1.2 A (Maximum, nominal load)
Typical current consumption	80 mA (at U <sub>S</sub> = 55 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
Ambient temperature (operation)	-40 °C ... 75 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	5 % ... 95 % (non-condensing)

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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)

## Standards and regulations

Standards/specifications	EN 50121 for railway applications
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## Approval data

### 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
Electromagnetic compatibility	EN 55022 (emitted interference) Criterion A
	Conformance with EMC Directive 2004/108/EC

## LED signaling

Status display	LEDs: $U_{S1}$ , $U_{S2}$ (redundant voltage supply), Alarm (alarm contact), Link/Activity and PoE per Ethernet port
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## Approvals



**EAC**

Approval ID: RU\*-DE.\*.B.00741/19



**UL Listed**

Approval ID: FILE E 238705



**cUL Listed**

Approval ID: FILE E 238705

**cULus Listed**

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## Classifications

### ECLASS

ECLASS-9.0	19170106
ECLASS-10.0.1	19170402
ECLASS-11.0	19170402

### ETIM

ETIM 8.0	EC000734
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### UNSPSC

UNSPSC 21.0	43222600
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## Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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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