FL SWITCH 1001T-4POE-GT-SFP - Industrial Ethernet Switch

1026932

https://www.phoenixcontact.com/us/products/1026932

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CRA-READY



Unmanaged PoE Switch 1000 series, 1 RJ45 port 10/100/1000 Mbps, 1 SFP port 1000 Mbps, 4 RJ45 PoE 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, Extended temperature range, The product is being prepared for compliance with the Cyber Resilience Act (CRA)

Your advantages

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

ELEKTROGERÄTE RÜCKNAHME

Commercial data

Item number	1026932
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN18

Product key	DNN115
GTIN	4055626520346
Weight per piece (including packing)	657.9 g
Weight per piece (excluding packing)	492 g
Customs tariff number	85176200
Country of origin	TW

Technical data

Dimensions

Width	30 mm
Height	149 mm
Depth	107.8 mm

Notes

Notes on operation	Mode A PoE
Note on application	Only for industrial use
Note on application	As things stand now, we are preparing the product so that, as of December 11, 2027, it will comply with the requirements of the EU Cyber Resilience Act (CRA) based on the information currently available regarding the CRA.

Utilization restriction

EMC note	EMC: class A product, see manufacturer's declaration in the download area

Material specifications

Color (Housing)	white aluminium (RAL 9006)

Mounting

Mounting type	DIN rail mounting

Interfaces

Ethernet

Connection method	RJ45
Note on the connection method	Auto negotiation and autocrossing
Transmission speed	10/100/1000 Mbps (full duplex)
Transmission physics	Ethernet RJ45
Transmission length	100 m (per segment)
Signal LEDs	LNK/ACT, POE
No. of channels	1 (RJ45 port)

Fiber optic interface

Number of interfaces	1
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)
Signal LEDs	Data receive, link status
No. of channels	1 (SFP port)

Ethernet (PoE)

Number of interfaces	4

Connection method	RJ45
Note on the connection method	Auto negotiation and autocrossing
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	4 (RJ45 PoE ports)
Output power (Total)	max. 120 W
Output power (per port)	max. 30 W

Output data

Signal contact

Control voltage	48 V DC
Control current	0.5 A

Product properties

Product type	Switch
Product family	Unmanaged PoE Switch 1000
Type	Stand-alone
MTTF	66.6 Years (MIL-HDBK-217F standard, temperature 25°C, operating cycle 100%)
Special properties	Extended temperature range
	The product is being prepared for compliance with the Cyber Resilience Act (CRA)

Switch functions

Signal contact control voltage	48 V DC
Signal contact control current	0.5 A
Status and diagnostic indicators	LEDs: U_{S1}, U_{S2} (redundant voltage supply), Alarm (alarm contact), Link/Activity and PoE per Ethernet port
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
Additional functions	Autonegotiation

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
Maximum power dissipation for nominal condition	127 W (at 48 V DC)

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 mm²
Inrush current	33.8 A (24 V DC for 3540 µs)
Residual ripple	3.6 V_{PP} (within the permitted voltage range)
Max. current consumption	6.93 A (Maximum, nominal load)
Typical current consumption	214 mA (at U_S = 24 V DC)
Ground connection	Via DIN rail

Connection data

Power supply

Connection method	Screw connection
Conductor cross-section, rigid	0.2 mm² ... 2.5 mm²
Conductor cross-section, flexible	0.2 mm² ... 2.5 mm²
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)

Approvals

Conformity/Approvals

Conformance	CE-compliant

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
	EN 55032 (emitted interference) Criterion A
Noise immunity	EN 61000-6-2:2019

Noise emission

Standards/regulations	EN_61000-6-4:2019

Signaling

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

Classifications

ECLASS

ECLASS-13.0	19170402
ECLASS-15.0	19170402

ETIM

ETIM 10.0	EC000734

UNSPSC

UNSPSC 21.0	43222600

Environmental product compliance

EU RoHS

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

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)
SCIP	4b83e7bb-e3a7-4c54-8696-10bde8f27313

EF3.1 Climate Change

CO2e kg	16.662 kg CO2e

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