FL SWITCH 1001T-4POE - Industrial Ethernet Switch

2891064

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CRA-READY



PoE+ Ethernet switch conforms to IEEE 802.3at. Includes four PoE+ ports and one standard RJ45 port, all with 10/100 Mbps speeds.

Your advantages

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

ELEKTROGERÄTE RÜCKNAHME

Commercial data

Item number	2891064
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN18

Product key	DNN115
GTIN	4046356764322
Weight per piece (including packing)	772 g
Weight per piece (excluding packing)	685 g
Customs tariff number	85176200
Country of origin	TW

Technical data

Dimensions

Width	55 mm
Height	117 mm
Depth	78 mm

Notes

Notes on operation	Mode B 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)
Housing material	Aluminum

Mounting

Mounting type	DIN rail mounting

Interfaces

Ethernet

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

Ethernet (PoE)

Number of interfaces	4
Connection method	RJ45
Note on the connection method	Auto negotiation and autocrossing
Transmission speed	10/100 Mbps
Transmission physics	Ethernet RJ45
Transmission length	100 m (Between transmitter / receiver)
Signal LEDs	LNK/ACT, 100, 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	24 V DC
Control current	100 mA

Product properties

Product type	Switch
Product family	Unmanaged PoE Switch 1000
Type	Stand-alone
MTTF	68 Years (MIL-HDBK-217F standard, temperature 25°C, operating cycle 100%)
Special properties	The product is being prepared for compliance with the Cyber Resilience Act (CRA)

Switch functions

Signal contact control voltage	24 V DC
Signal contact control current	100 mA
Status and diagnostic indicators	LEDs: U_{S1}, U_{S2} (redundant voltage supply), Alarm (alarm contact), Link/Activity and PoE per Ethernet port
Basic functions	PSE, complies with IEEE 802.3at
Additional functions	Autonegotiation

Electrical properties

Power consumption	129 W
Local diagnostics	US1, US2 Supply voltage Green LED
	PoE PoE detection Yellow LED
	LNK/ACT Link status/data transmission Green LED
	Alarm Power failure at US1 or US2/Link failure
Maximum power dissipation for nominal condition	129.6 W
Test section	Supply voltage/functional ground 500 V AC 1 min
Transmission medium	Copper

Supply

Supply voltage (DC)	24 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	18 A (57 V DC for 100 µs)
	10 A (24 V DC for 100 µs)
Residual ripple	3.6 V_{PP} (within the permitted voltage range)
Max. current consumption	6.2 A (Maximum, nominal load)
Typical current consumption	148 mA (at U_S = 24 V DC)
Ground connection	Via DIN rail

Connection data

Power supply

Connection method	Screw connection
pluggable	yes
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	IP20
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)	86 kPa ... 108 kPa (1500 m above sea level)
Air pressure (storage/transport)	66 kPa ... 108 kPa (3500 m above sea level)

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 B
	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

Signaling

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

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2891064

UL Listed
Approval ID: E140324

cUL Listed
Approval ID: E140324

KC
Approval ID: MSIP-REI-PCK-2891064

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	e0b0643d-cc19-4e3f-bf75-b46088fab890

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