

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



1102077

<https://www.phoenixcontact.com/us/products/1102077>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Unmanaged PoE Switches 1000 10/100/1000 Mbps, 5 RJ45 ports 10/100/1000 Mbps, PROFINET Conformance-Class A

Your advantages

- Auto negotiation and autocrossing detection simplifies installation and setup
- Local diagnostic indicators with LEDs
- Additional isolation for greater safety in SELV and PELV installations
- PROFINET Conformance Class A for real-time data exchange
- Automatic detection of IEEE 802.3at or 802.3af powered devices
- Enhanced traffic prioritization for automation protocols
- QoS-prioritized (Quality of Service) messages
- Energy-efficient Ethernet in accord. with IEEE 802.3az
- Transmission speed of 10/100/1000 Mbps on all RJ45 ports
- PROFINET PTCP filter for reliable communication on PROFINET networks

Commercial data

Item number	1102077
Packing unit	1 pc
Sales key	DN18
Product key	DNN115
GTIN	4055626961774
Weight per piece (including packing)	622 g
Weight per piece (excluding packing)	457 g
Country of origin	TW

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



1102077

<https://www.phoenixcontact.com/us/products/1102077>

Technical data

Dimensions

Width	27 mm
Height	130 mm
Depth	120 mm

Notes

General	Mode A PoE
Utilization restriction	
EMC note	EMC: class A product, see manufacturer's declaration in the download area

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
Transmission physics	Ethernet RJ45
Transmission length	100 m (Between transmitter / receiver)
Signal LEDs	LNK/ACT, POE

Ethernet (PoE)

Connection method	RJ45
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	5 (RJ45 ports)

Product properties

Type	Stand-Alone
Product type	Switch
Product family	Unmanaged PoE Switches 1000
MTTF	52.4 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, PoE according to IEEE 802.3at/802.3af, jumbo frames up to 9216 bytes
PROFINET conformance class	Conformance-Class A

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



1102077

<https://www.phoenixcontact.com/us/products/1102077>

MAC address table	4k
Status and diagnostic indicators	LEDs: U _S (voltage supply), Link/Activity and PoE per Ethernet port
Additional functions	Autonegotiation
Security functions	
Basic functions	Store-and-forward switch, 10/100/1000 Mbps, auto negotiation, PoE according to IEEE 802.3at/802.3af, jumbo frames up to 9216 bytes

Electrical properties

Supply

Supply voltage (DC)	24 V DC 48 V DC
Supply voltage range	19 V DC ... 57 V DC
Power supply connection	Via COMBICON, max. conductor cross section 2.5 mm ²
Residual ripple	3.6 V _{PP} (within the permitted voltage range)
Max. current consumption	7.95 A (Maximum, nominal load)
Typical current consumption	170 mA

Connection data

Connection technology

Connection name	Power supply
-----------------	--------------

Power supply

Connection method	Screw connection
Conductor cross section, rigid	0.2 mm ² ... 2.5 mm ²
Conductor cross section, flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross section AWG	24 ... 12

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-10 °C ... 60 °C
Ambient temperature (storage/transport)	-20 °C ... 85 °C
Altitude	max. 2000 m
Permissible humidity (operation)	5 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	5 % ... 95 % (non-condensing)
Shock (operation)	30g (EN 60068-2-27)
Vibration (operation)	in acc. with IEC 60068-2-6: 5g, 150 Hz
Air pressure (operation)	57 kPa ... 108 kPa up to 2000 m above mean sea level (up to 4850 m above mean sea level)
Air pressure (storage/transport)	57 kPa ... 108 kPa up to 2000 m above mean sea level (up to 4850 m above mean sea level)

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



1102077

<https://www.phoenixcontact.com/us/products/1102077>

Approvals

Conformity/Approvals

Conformance	CE-compliant
UL, USA / Canada	UL 61010-1, UL 61010-2-201

System properties

Functionality

Basic functions	Store-and-forward switch, 10/100/1000 Mbps, auto negotiation, PoE according to IEEE 802.3at/802.3af, jumbo frames up to 9216 bytes
-----------------	--

Signaling

Status display	LEDs: U _S (voltage supply), Link/Activity and PoE per Ethernet port
----------------	--

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



1102077

<https://www.phoenixcontact.com/us/products/1102077>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1102077>



UL Listed

Approval ID: FILE E 238705



cUL Listed

Approval ID: FILE E 238705

cULus Listed

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



1102077

<https://www.phoenixcontact.com/us/products/1102077>

Classifications

ECLASS

ECLASS-11.0	19170402
ECLASS-12.0	19170402
ECLASS-13.0	19170402

ETIM

ETIM 8.0	EC000734
----------	----------

UNSPSC

UNSPSC 21.0	43222600
-------------	----------

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



1102077

<https://www.phoenixcontact.com/us/products/1102077>

Environmental product compliance

REACH SVHC

Lead 7439-92-1

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



1102077

<https://www.phoenixcontact.com/us/products/1102077>

Accessories

QUINT4-PS/1AC/48DC/5 - Power supply unit

2904610

<https://www.phoenixcontact.com/us/products/2904610>



Primary-switched QUINT POWER power supply for DIN rail mounting with free choice of output characteristic curve and SFB (Selective Fuse Breaking) technology, input: 1-phase, output: 48 V DC / 5 A

QUINT4-PS/1AC/48DC/10 - Power supply unit

2904611

<https://www.phoenixcontact.com/us/products/2904611>



Primary-switched QUINT POWER power supply for DIN rail mounting with free choice of output characteristic curve and SFB (Selective Fuse Breaking) technology, input: 1-phase, output: 48 V DC / 10 A

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



1102077

<https://www.phoenixcontact.com/us/products/1102077>

TRIO-PS-2G/1AC/48DC/5 - Power supply unit

2903159

<https://www.phoenixcontact.com/us/products/2903159>



Primary-switched TRIO power supply for DIN rail mounting, input: 1-phase, output: 48 V DC / 5 A, dynamic boost, tool-free fast connection technology for solid and stranded conductors with ferrule

TRIO-PS-2G/1AC/48DC/10 - Power supply unit

2903160

<https://www.phoenixcontact.com/us/products/2903160>



Primary-switched TRIO POWER power supply with push-in connection for DIN rail mounting, input: single phase, output: 48 V DC/10 A

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



1102077

<https://www.phoenixcontact.com/us/products/1102077>

UNO-PS/1AC/24DC/150W - Power supply unit

2904376

<https://www.phoenixcontact.com/us/products/2904376>



Primary-switched UNO power supply for DIN rail mounting, input: 1-phase, output: 24 V DC/150 W

UNO-PS/1AC/24DC/240W - Power supply unit

2904372

<https://www.phoenixcontact.com/us/products/2904372>



Please use the following item in new systems: 1096432.
Primary-switched UNO power supply for DIN rail mounting, input: 1-phase, output: 24 V DC / 240 W

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



1102077

<https://www.phoenixcontact.com/us/products/1102077>

FL PD 1001 T GT - Ethernet module

2891042

<https://www.phoenixcontact.com/us/products/2891042>



Factoryline Power over Ethernet splitter (PD) for separating power and data according to IEEE 802.3af and at, no configuration required, can be used with 10, 100, 1000 Mbps networks, 24 V DC output voltage

DT-LAN-CAT.6+ - Surge protection device

2881007

<https://www.phoenixcontact.com/us/products/2881007>



Surge protection in accordance with Class E_A (CAT6_A), for Gigabit Ethernet (up to 10 Gbps), token ring, FDDI/CDDI, ISDN, and DS1. Suitable for Power over Ethernet (PoE++ / 4PPoE) "Mode A" and "Mode B". RJ45 attachment plug with separate grounding cable and ground connection snap-on foot for NS 35 DIN rails.

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



1102077

<https://www.phoenixcontact.com/us/products/1102077>

FL CAT5 PATCH 0,5 - Patch cable

2832263

<https://www.phoenixcontact.com/us/products/2832263>

Patch cable, CAT5, assembled, 0.5 m



FL CAT5 PATCH 1,0 - Patch cable

2832276

<https://www.phoenixcontact.com/us/products/2832276>

Patch cable, CAT5, assembled, 1 m



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



1102077

<https://www.phoenixcontact.com/us/products/1102077>

FL CAT5 PATCH 2,0 - Patch cable

2832289

<https://www.phoenixcontact.com/us/products/2832289>



Patch cable, CAT5, assembled, 2 m

NBC-R4AC-R4AC-IE8A/.../... - Patch cable

1411854

<https://www.phoenixcontact.com/us/products/1411854>



Patch cable, degree of protection: IP20, number of positions: 8, 10 Gbps, CAT6_A, cable outlet: straight, Ethernet

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



1102077

<https://www.phoenixcontact.com/us/products/1102077>

NBC-R4AC/10G-R4AC/10G-94F/2,0 - Patch cable

1408360

<https://www.phoenixcontact.com/us/products/1408360>



Patch cable, CAT6_A, 4-pair, shielded, connection not crossed (line), assembled at both ends with RJ45/IP20 connectors, outer sheath material: PUR, length: 2.0 m

NBC-R4AC/10G-R4AC/10G-94F/3,0 - Patch cable

1408365

<https://www.phoenixcontact.com/us/products/1408365>



Patch cable, CAT6_A, 4-pair, shielded, connection not crossed (line), assembled at both ends with RJ45/IP20 connectors, outer sheath material: PUR, length: 3.0 m

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



1102077

<https://www.phoenixcontact.com/us/products/1102077>

FL DIN RA - DIN rail adapter

2891053

<https://www.phoenixcontact.com/us/products/2891053>

The FL DIN RA is installed in a standard, 19-inch rack (EIA-310-D, IEC 60297-3-100) to allow DIN rail mounted equipment to be rack mounted.



FL RJ45 PROTECT CAP - Dust protection

2832991

<https://www.phoenixcontact.com/us/products/2832991>

Dust protection caps for RJ45 socket



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



1102077

<https://www.phoenixcontact.com/us/products/1102077>

E/NS 35 N - End clamp

0800886

<https://www.phoenixcontact.com/us/products/0800886>

End clamp, width: 9.5 mm, color: gray



Phoenix Contact 2023 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com