FL SWITCH 1000-8POE-GT - Industrial Ethernet Switch

1102079

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Unmanaged PoE Switches 1000 10/100/1000 Mbps, 8 RJ45 ports 10/100/1000 Mbps, PROFINET Conformance-Class A

Your advantages

- Additional isolation for greater safety in SELV and PELV installations
- Local diagnostic indicators with LEDs
- Auto negotiation and autocrossing detection simplifies installation and setup
- PROFINET Conformance Class A for real-time data exchange
- Automatic detection of IEEE 802.3at or 802.3af powered devices
- QoS-prioritized (Quality of Service) messages
- Enhanced traffic prioritization for automation protocols
- 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	1102079
Packing unit	1 pc
Sales key	DN18
Product key	DNN115
GTIN	4055626961569
Weight per piece (including packing)	636.2 g
Weight per piece (excluding packing)	636.2 g
Country of origin	TW

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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	8 (RJ45 ports)

Product properties

Type	Stand-Alone
Product type	Switch
Product family	Unmanaged PoE Switches 1000
MTTF	49.4 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

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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 mm²
Residual ripple	3.6 V_{PP} (within the permitted voltage range)
Max. current consumption	8.29 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 mm² ... 2.5 mm²
Conductor cross section, flexible	0.2 mm² ... 2.5 mm²
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)

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

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

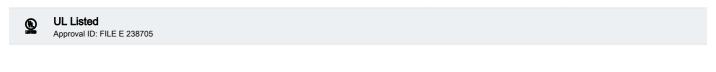# FL SWITCH 1000-8POE-GT - Industrial Ethernet Switch

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Approvals

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🆄🅻	**UL Listed** Approval ID: FILE E 238705

🆄🅻	**cUL Listed** Approval ID: FILE E 238705

cULus Listed

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Classifications

ECLASS

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

ETIM

ETIM 8.0	EC000734

UNSPSC

UNSPSC 21.0	43222600

Environmental product compliance

REACh SVHC	Lead 7439-92-1

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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

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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

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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

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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.

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FL CAT5 PATCH 0,5 - Patch cable

2832263

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Patch cable, CAT5, assembled, 0.5 m

FL CAT5 PATCH 1,0 - Patch cable

2832276

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Patch cable, CAT5, assembled, 1 m

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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

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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

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FL DIN RA - DIN rail adapter

2891053

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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

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E/NS 35 N - End clamp

0800886

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

End clamp, width: 9.5 mm, color: gray

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