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

1102079

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CRA-READY



Unmanaged PoE switch 10/100/1000 Mbps, 8 RJ45 ports, 120W Total PoE power budget, PROFINET Conformance Class A.

Your advantages

- Galvanic Isolation- 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

ELEKTROGERÄTE RÜCKNAHME

Commercial data

Item number	1102079

Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN18
Product key	DNN115
GTIN	4055626961569
Weight per piece (including packing)	638 g
Weight per piece (excluding packing)	636.2 g
Customs tariff number	85176200
Country of origin	TW

Technical data

Dimensions

Width	27 mm
Height	130 mm
Depth	120 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

Ethernet (PoE)

Number of interfaces	8
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, POE
No. of channels	8 (RJ45 PoE ports)
Output power (Total)	max. 120 W
Output power (per port)	max. 30 W

Product properties

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

MAC address table	4k
PROFINET conformance class	Conformance Class A
Status and diagnostic indicators	LEDs: U_S (voltage supply), Link/Activity and PoE per Ethernet port
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
Additional functions	Autonegotiation

Electrical properties

Maximum power dissipation for nominal condition	189 W (at 48 V DC)
Transmission medium	Copper

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
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

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

EMC data

Noise immunity	EN 61000-6-2:2019

Noise emission

Standards/regulations	EN_61000-6-4:2019

Signaling

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

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1102079

UL Listed
Approval ID: E238705

cUL Listed
Approval ID: E238705

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	db8b7ecc-5f26-4211-95f8-9535bdab43e8

EF3.1 Climate Change

CO2e kg	11.27 kg CO2e

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