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)	652 g
Weight per piece (excluding packing)	636.2 g
Customs tariff number	85176200
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

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

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Classifications

ECLASS

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

ETIM

ETIM 9.0	EC000734

UNSPSC

UNSPSC 21.0	43222600

Environmental product compliance

REACh SVHC	Lead 7439-92-1

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