FL SWITCH 1000T-8POE-GT-2SFP - Industrial Ethernet Switch

1026929

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Unmanaged PoE Switch 1000 series 10/100 Mbps, 2 SFP ports 1000 Mbps, 8 RJ45 ports 10/100/1000 Mbps, degree of protection: IP30, Ambient temperature (operation): -40 °C ... 75 °C, Supply voltage range: 18 V DC ... 57 V DC

Your advantages

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

Commercial data

Item number	1026929
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DNN115
Product key	DNN115
GTIN	4055626519975
Weight per piece (including packing)	1,469 g
Weight per piece (excluding packing)	1,151 g
Customs tariff number	85176200
Country of origin	TW

Technical data

Dimensions

Width	63.5 mm
Height	145 mm
Depth	136 mm

Notes

Notes on operation	Mode A PoE

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 (per segment)
Signal LEDs	LNK/ACT, POE

Fiber optic interface

Number of interfaces	2
Connection method	SFP
Transmission speed	1000 Mbps (full duplex)
Transmission physics	Depending on the SFP module
Transmission length	up to 80 km (Depending on the fiber/SFP module used)
Signal LEDs	Data receive, link status
No. of channels	2 (SFP ports)

Ethernet (PoE)

Number of interfaces	8
Connection method	RJ45 jack
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
No. of channels	8 (RJ45 ports)
Output power	max. 120 W (Total power budget)
	max. 30 W (per port)

Output data

Signal contact

Control voltage	48 V DC
Control current	0.5 A

Product properties

Product type	Switch
Product family	Unmanaged PoE Switch 1000
Type	Stand-alone
MTTF	39.1 Years (MIL-HDBK-217F standard, temperature 25°C, operating cycle 100%)

Switch functions

Signal contact control voltage	48 V DC
Signal contact control current	0.5 A
Status and diagnostic indicators	LEDs: U_{S1}, U_{S2} (redundant voltage supply), Alarm (alarm contact), Link/Activity and PoE per Ethernet port
Basic functions	Store-and-forward switch, 10/100/1000 Mbps, auto negotiation, redundant power supply, PoE according to IEEE 802.3at/802.3af, jumbo frames up to 10240 bytes, alarm contact
Additional functions	Autonegotiation

Electrical properties

Local diagnostics	US1, US2 Supply voltage Green LED
	PoE PoE detection Orange LED
	LNK/ACT Link status/data transmission Green LED
	Alarm Power failure at US1 or US2/Link failure

Supply

Supply voltage (DC)	24 V DC
	48 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	30.8 A (24 V DC for 1050 µs)
Residual ripple	3.6 V_{PP} (within the permitted voltage range)
Max. current consumption	6.2 A (Maximum, nominal load)
Typical current consumption	470 mA (at U_S = 24 V DC)
Ground connection	Via DIN rail

Connection data

Power supply

Connection method	COMBICON plug-in screw terminal block
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	IP30
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)	57 kPa ... 108 kPa (up to 4850 m above mean sea level)
Air pressure (storage/transport)	57 kPa ... 108 kPa (up to 4850 m above mean sea level)

Approvals

Conformity/Approvals

Conformance	CE-compliant

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 A
	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
Noise immunity	EN 61000-6-2:2019

Noise emission

Standards/regulations	EN_61000-6-4:2019

Signaling

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

Classifications

UNSPSC

UNSPSC 21.0	43222612

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	15(a), 6(a)-I, 6(c), 7(a), 7(c)-I, 7(c)-IV

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)

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