FL SWITCH EP4212-4TGSFP-LV - Industrial Ethernet Switch

1732187

https://www.phoenixcontact.com/us/products/1732187

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.

CRA READY



Managed Switch EP4000 series, 12 RJ45 ports 10/100/1000 Mbps, 4 SFP ports 1000/10000 Mbps, degree of protection: IP30, Ambient temperature (operation): -40 °C ... 85 °C, Supply voltage range: 12 V DC ... 48 V DC, The product is being prepared for compliance with the Cyber Resilience Act (CRA)

Product description

Developed according to IEC 61850-3 (Ambient conditions)

Your advantages

- Network structure according to IEC 61850
- IEEE 1613
- Layer 2 managed switch

Commercial data

Item number	1732187
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN36
Weight per piece (excluding packing)	1,940 g
Customs tariff number	85176200
Country of origin	TW

Technical data

Dimensions

Width	72 mm
Height	170 mm
Depth	140 mm

Notes

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.

Material specifications

Color (Housing)	anthracite gray (RAL 7016)
Housing material	Metal

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	Copper
Transmission length	100 m (per segment)
No. of channels	12 (RJ45 ports)

Ethernet (SFP)

Connection method	SFP
Transmission speed	1000/10000 Mbps (full duplex)
Transmission physics	Depending on the SFP module
No. of channels	4 (SFP ports)

Output data

Digital:

Output name	Alarm relay output: 30 V DC, 0.6 A maximum

Product properties

Product type	Switch
Product family	Managed Switch EP4000
	231.5 Years (Telcordia standard, 25 °C temperature, 50% stress)

MTBF	23.1 Years (MIL-HDBK-217F standard, temperature 25°C)
	579.3 Years (SN 29500 standard, temperature 25°C, operating cycle 21%)
Special properties	The product is being prepared for compliance with the Cyber Resilience Act (CRA)

Switch functions

MAC address table	16k
Signal contact control voltage	30 V DC
Signal contact control current	0.6 A
Status and diagnostic indicators	LEDs: POWER, ERROR, Link status
Redundancy functions	RSTP (Rapid Spanning Tree, IEEE 802.1w)
	STP
	MSTP

Electrical properties

Local diagnostics	US1, US2 Supply voltage Green LED
	Alarm Alarm signal LED red
Maximum power dissipation for nominal condition	20 W (max.)

Supply

Supply voltage range	12 V DC ... 48 V DC

Function

Signal contact control voltage	30 V DC
Signal contact control current	0.6 A

Connection data

Power supply

Connection method	Screw connection

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP30
Ambient temperature (operation)	-40 °C ... 85 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	5 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	5 % ... 95 % (non-condensing)

Standards and regulations

Standard designation	Ambient conditions
Standards/specifications	IEC 61850-3
	IEEE 1613

Approvals

Conformity/Approvals

Conformance	CE-compliant

EMC data

Noise immunity	IEC 61850-3, IEEE 1613

Signaling

Status display	LEDs: POWER, ERROR, Link status

Classifications

ECLASS

ECLASS-13.0	19170401
ECLASS-15.0	19170401

ETIM

ETIM 10.0	EC000734

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-50
	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)

Phoenix Contact 2026 © - 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