

FL SWITCH EP4208-2SFP-LV - Industrial Ethernet Switch



1732185

<https://www.phoenixcontact.com/us/products/1732185>

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.



Managed switch with eight RJ45 ports at 10/100/1000 Mbps, two SFP ports at 100/1000 Mbps, and operating temperature of -40 ... +85°C, redundant power supply: 12 V DC ... 48 V DC

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	1732185
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN36
Product key	DNN514
GTIN	4067923289154
Weight per piece (including packing)	1,973 g
Weight per piece (excluding packing)	1,973 g
Customs tariff number	85176200
Country of origin	CA

FL SWITCH EP4208-2SFP-LV - Industrial Ethernet Switch



1732185

<https://www.phoenixcontact.com/us/products/1732185>

Technical data

Dimensions

Width	72 mm
Height	170 mm
Depth	140 mm

Notes

Note on application

Note on application	Only for industrial use
---------------------	-------------------------

Material specifications

Color	gray
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	8 (RJ45 ports)

Ethernet (SFP)

Number of interfaces	2
Connection method	SFP
Transmission speed	100/1000 Mbps (full duplex)
Transmission physics	Depending on the SFP module
No. of channels	2 (SFP module)

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
MTBF	241.7 Years (Telcordia standard, 25 °C temperature, 50% stress) 21.3 Years (MIL-HDBK-217F standard, temperature 25°C)

FL SWITCH EP4208-2SFP-LV - Industrial Ethernet Switch



1732185

<https://www.phoenixcontact.com/us/products/1732185>

	518.1 Years (SN 29500 standard, temperature 25°C, operating cycle 21%)
--	--

Switch functions

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

Electrical properties

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

Supply

Supply voltage (DC)	24 V DC (redundant)
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

Connection technology	
Connection name	Power supply

Power supply

Connection method	Screw connection
-------------------	------------------

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP40
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

FL SWITCH EP4208-2SFP-LV - Industrial Ethernet Switch



1732185

<https://www.phoenixcontact.com/us/products/1732185>

Approvals

Conformity/Approvals

Conformance

CE-compliant

EMC data

Noise immunity

IEC 61850-3, IEEE 1613

Signaling

Status display

LEDs: POWER, ERROR, Link status

FL SWITCH EP4208-2SFP-LV - Industrial Ethernet Switch



1732185

<https://www.phoenixcontact.com/us/products/1732185>

Approvals

ⓘ To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1732185>



cULus Listed

Approval ID: E238705-20170725

FL SWITCH EP4208-2SFP-LV - Industrial Ethernet Switch



1732185

<https://www.phoenixcontact.com/us/products/1732185>

Classifications

ECLASS

ECLASS-13.0	19170401
ECLASS-15.0	19170401

ETIM

ETIM 9.0	EC000734
----------	----------

FL SWITCH EP4208-2SFP-LV - Industrial Ethernet Switch



1732185

<https://www.phoenixcontact.com/us/products/1732185>

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 2025 © - 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