

FL SWITCH EP5216-12SFP-HV - Industrial Ethernet Switch



1732656

<https://www.phoenixcontact.com/us/products/1732656>

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Managed Switch EP5000 series, 16 RJ45 ports 10/100/1000 Mbps, 4 SFP ports 1000/10,000 Mbps, 8 SFP ports 100/1000 Mbps, degree of protection: IP40, Ambient temperature (operation): -40 °C ... 85 °C, Supply voltage range: 100 V AC/DC ... 240 V AC/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
- 28-port rack-mount switch

Commercial data

Item number	1732656
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN36
Product key	DNN513
GTIN	4067923290082
Weight per piece (including packing)	6,630 g
Weight per piece (excluding packing)	5,140 g
Customs tariff number	85176200
Country of origin	TW

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Technical data

Dimensions

Width	442 mm
Height	44 mm
Depth	325 mm

Notes

Note on application

Note on application	Only for industrial use
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Material specifications

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

Mounting

Mounting type	Rack mounting (with holder)
Holder system	19" rack

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	16 (RJ45 ports)

Ethernet (SFP)

Connection method	SFP
Transmission speed	1000/10,000 Mbps (full duplex)
Transmission physics	Depending on the SFP module
No. of channels	4 (SFP ports)

Ethernet (SFP)

Connection method	SFP
Transmission speed	100/1000 Mbps (full duplex)
Transmission physics	Depending on the SFP module
No. of channels	8 (SFP ports)

Output data

Digital:

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

Product type	Switch
Product family	Managed Switch EP5000
MTBF	70.1 Years (Telcordia standard, 25 °C temperature, 50% stress)
	5.3 Years (MIL-HDBK-217F standard, temperature 25°C)
	221.3 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	50 W (max.)

Supply

Supply voltage (AC/DC)	120 V AC/DC (redundant)
Supply voltage range	100 V AC/DC ... 240 V AC/DC (Screw connection)

Function

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

Connection data

Power supply

Connection method	Screw connection
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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP40
Ambient temperature (operation)	-40 °C ... 85 °C (Type tested to 85 °C for 16 hours)
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
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Standards/specifications	IEC 61850-3
	IEEE 1613

Approvals

Conformity/Approvals

Conformance	CE-compliant
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EMC data

Noise immunity	IEC 61850-3, IEEE 1613
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Signaling

Status display	LEDs: POWER, ERROR, Link status
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Approvals

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cULus Listed

Approval ID: E140403 -20210406

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Classifications

ECLASS

ECLASS-13.0	19170401
ECLASS-15.0	19170401

ETIM

ETIM 10.0	EC000734
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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)
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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com