

FL SWITCH EP7200-24GSFP-RED-LV - Industrial Ethernet Switch



1688988
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Managed switch with 24 SFP ports for 100/1000 Mbps, 4 Gb HSR/PRP combo ports (10/100/1000 Mbps, RJ45 port, 100/1000 Mbps, SFP port), operating temperature: -40°C ... +85°C, power supply: 24 V DC (nominal value)



Product description

Developed according to IEC 61850-3 (Ambient conditions)

Your advantages

- Network structure according to IEC 61850
- IEEE 1613
- Layer 2 and Lite Layer 3 functions
- 32-port rackmount switch
- IEEE 1588 v2 precision timing support

Commercial data

Item number	1688988
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN36
Product key	DNN511
GTIN	4067923249103
Weight per piece (including packing)	9,020 g
Weight per piece (excluding packing)	6,070 g
Country of origin	CA

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Technical data

Dimensions

Width	443.56 mm
Height	44.2 mm
Depth	414.95 mm

Mounting

Mounting type	Rack mounting
Mounting type	Rack mount, includes brackets

Interfaces

HSR/PRP Combo Ports

Connection method	SFP/RJ45
Note on the connection method	Auto negotiation and autocrossing
Transmission speed	10/100/1000 Mbps 100/1000 Mbps
Transmission physics	Copper
Transmission length	100 m (per segment)
No. of channels	4 (Combo ports)

Ethernet (SFP)

Connection method	SFP
Transmission speed	100/1000 Mbps (full duplex)
Transmission physics	Depending on the SFP module
No. of channels	24 (SFP ports)

Output data

Digital:

Output name	Alarm relay output: 24 V DC, 1 A maximum
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Product properties

Product type	Switch
Product family	Managed Switch EP7000

Insulation characteristics

Overvoltage category	II
Degree of pollution	2

Switch functions

Signal contact control voltage	24 V DC
Signal contact control current	1 A
MAC address table	16k

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Electrical properties

Maximum power dissipation for nominal condition	50 W
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Supply

Supply voltage (DC)	24 V DC (Redundant DC power supplies are load sharing)
Supply voltage range	10 V DC ... 36 V DC

Function

Signal contact control voltage	24 V DC
Signal contact control current	1 A

Connection data

Connection technology

Connection name	Power supply
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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

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)	10 % ... 95 % (non-condensing)

Standards and regulations

Standard designation	Ambient conditions
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, EN 61000-6-2: 2005
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Classifications

ECLASS

ECLASS-13.0	19170401
ECLASS-15.0	19170401

ETIM

ETIM 9.0	EC000734
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Environmental product compliance

EU RoHS

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

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.)	1-Methyl-2-pyrrolidone (NMP)(CAS: n/a)
	N,N-dimethylacetamide(CAS: 127-19-5)
	1, 2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)(CAS: 110-71-4)
	Hexahydromethylphthalic anhydride(CAS: n/a)
	Lead titanium zirconium oxide(CAS: 12626-81-2)
	Lead titanium trioxide(CAS: 12060-00-3)
	4,4'-isopropylidenediphenol(CAS: n/a)
	Terphenyl, hydrogenated(CAS: 61788-32-7)
	Lead(CAS: n/a)
	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one(CAS: n/a)

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