

FL SWITCH EP7216-16GSFP-MV - Industrial Ethernet Switch



1688985

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Managed switch with sixteen RJ45 ports at 10/100/1000 Mbps, sixteen SFP ports at 100/1000 Mbps and operating temperature of -40 ... +85°C, 48 V DC (nominal) power supply



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	1688985
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN36
Product key	DNN511
GTIN	4067923248496
Weight per piece (including packing)	9,030 g
Weight per piece (excluding packing)	6,080 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 (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	100/1000 Mbps (full duplex)
Transmission physics	Depending on the SFP module
No. of channels	16 (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

Electrical properties

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Maximum power dissipation for nominal condition	50 W
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Supply

Supply voltage (DC)	48 V DC (Redundant DC power supplies are load sharing)
Supply voltage range	36 V DC ... 72 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: 872-50-4)
	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: 80-05-7)
	Terphenyl, hydrogenated(CAS: 61788-32-7)
	Lead(CAS: 7439-92-1)
	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one(CAS: 71868-10-5)

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