FL SWITCH EP5224-4SFP-LV - Industrial Ethernet Switch

1732660

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Managed Switch EP5000 series, 24 RJ45 ports 10/100/1000 Mbps, 4 SFP ports 1000/10,000 Mbps, degree of protection: IP40, Ambient temperature (operation): -40 °C ... 85 °C, Supply voltage range: 24 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
- 28-port rack-mount switch

Commercial data

Item number	1732660
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DNN513
Product key	DNN513
GTIN	4067923290525
Weight per piece (including packing)	6.642 g
Weight per piece (excluding packing)	4.650 g
Customs tariff number	85176200
Country of origin	Information on the country of origin is provided with the delivery.

Technical data

Dimensions

Width	442 mm
Height	44 mm
Depth	325 mm

Notes

Note on application

Note on application	Only for industrial use

Material specifications

Color	gray
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	24 (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)

Output data

Digital:

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

Product properties

Product family	Managed Switch EP5000
MTBF	80.4 Years (Telcordia standard, 25 °C temperature, 50% stress)
	6.4 Years (MIL-HDBK-217F standard, temperature 25°C)
	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 (DC)	24 V DC (redundant)
Supply voltage range	24 V DC ... 48 V 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

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
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)

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