

FL SWITCH EP7232-HV - Industrial Ethernet Switch



1688995

<https://www.phoenixcontact.com/us/products/1688995>

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Managed switch with 32 RJ45 ports at 10/100/1000 Mbps, and operating temperature of -40 ... +85°C, 100 ... 240 V AC/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	1688995
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN36
Product key	DNN511
GTIN	4067923248199
Weight per piece (including packing)	9,050 g
Weight per piece (excluding packing)	6,100 g
Country of origin	CA

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Technical data

Dimensions

Width	443.56 mm
Height	44.2 mm
Depth	414.95 mm

Notes

Note on application

Note on application	Only for industrial use
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Material specifications

Color	gray
Housing material	Metal

Mounting

Mounting type	Rack mounting
Mounting type	Rack mount, includes brackets

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)

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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Status and diagnostic indicators

LEDs: POWER, ERROR, Link status

Electrical properties

Local diagnostics

PS1, PS2 Supply voltage Green LED

Alarm Alarm signal LED red

Maximum power dissipation for nominal condition

50 W

Supply

Supply voltage range

100 V AC/DC ... 240 V AC/DC

Function

Signal contact control voltage

24 V DC

Signal contact control current

1 A

Connection data

Connection technology

Connection name

Power supply

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

Degree of protection

IP20

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

EMC data

Noise immunity

IEC 61850-3, IEEE 1613, EN 61000-6-2: 2005

Signaling

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Status display

LEDs: POWER, ERROR, Link status

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Classifications

ECLASS

ECLASS-13.0	19170401
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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)