

Industrial Ethernet Switch - FL SWITCH 1008E - 2891065

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Ethernet switch with eight RJ45 ports, meets IEC 61850-3 and IEEE 1613 standards. Automatic detection of data transmission speed of 10/100 Mbps (RJ45) with autocrossing function.

Your advantages

- ✓ Network structure according to IEC 61850
- ✓ IEEE 1613
- ✓ Auto negotiation and autocrossing detection simplifies installation and setup
- ✓ Alarm contact for power supply and link status diagnostics
- ✓ Local diagnostic indicators with LEDs
- ✓ QoS-prioritized (Quality of Service) messages
- ✓ Intended for use in power substations
- ✓ Wide operating temperature range (-40°C ... +75°C)



IEC 61850-3

Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 764339
GTIN	4046356764339

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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Dimensions

Width	54.4 mm
Height	146.4 mm
Depth	125 mm

Ambient conditions

Degree of protection	IP20
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Ambient conditions

Ambient temperature (operation)	-40 °C ... 75 °C
Ambient temperature (storage/transport)	-45 °C ... 85 °C
Permissible humidity (operation)	5 % ... 95 % (non-condensing)
Air pressure (operation)	82 kPa ... 108 kPa (up to 1500 m above sea level)

Interfaces

Interface 1	Ethernet (RJ45)
No. of ports	8 (RJ45 ports)
Note on the connection method	Auto negotiation and autocrossing
Transmission physics	Ethernet in RJ45 twisted pair
Transmission speed	10/100 Mbps
Transmission length	100 m
Data flow control/protocols	IEC 61850-3, IEEE 1613

Function

Basic functions	Unmanaged switch / autonegotiation, complies with IEEE 802.3, store and forward switching mode, includes QoS and alarm contact. Meets IEC 61850-3 and IEEE 1613 standards
Additional functions	Autonegotiation
Status and diagnostic indicators	LEDs: U _{S1} , U _{S2} (redundant voltage supply), link and activity per port
Signal contact control voltage	25 V AC/DC
Signal contact control current	1 A

Network expansion parameters

Cascading depth	Network, linear, and star structure: any
Maximum conductor length (twisted pair)	100 m

Supply voltage

Supply voltage	24 V DC (redundant)
	48 V DC
Residual ripple	3.6 V _{pp} (within the permitted voltage range)
Supply voltage range	12 V DC ... 57 V DC
Typical current consumption	440 mA (at U _S = 24 V DC)
Inrush surge current	9.84 A (0.2 ms)

General

Mounting type	DIN rail
Type AX	Block design
Net weight	858 g
Housing material	Aluminum

Standards and Regulations

Standards/regulations	IEC 61850-3
	IEEE 1613
Type of test	Shock in acc. with EN 60068-2-27/IEC 60068-2-27

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Standards and Regulations

Test result	30g, 11 ms half-sine shock pulse
Type of test	Vibration resistance in acc. with EN 60068-2-6/IEC 60068-2-6
Test result	5g, 150 Hz, Criterion 3
Noise emission	EN 61000-6-4
Noise immunity	IEC 61850-3, IEEE 1613, EN 61000-6-2: 2005

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 10;
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Approvals

Approvals

Approvals

UL Listed / cUL Listed / EAC / EAC / cULus Listed

Ex Approvals

Approval details

UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 140324
mm²/AWG/kcmil		30-14	

cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 140324
mm²/AWG/kcmil		30-14	

EAC		EAC-Zulassung
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Approvals

EAC



RU *-
DE.A*30.B.01735

cULus Listed



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PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>