



Automatización Eléctrica
Especialistas en Automatización

At the end of this document you will find links to products related to this catalog. You can go directly to our shop by clicking [HERE](#). [HERE](#)

Industrial Ethernet Switch - FL SWITCH 1008E - 2891065

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



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.

Why buy this product

- 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)

Ethernet IEC 61850-3

Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 764339

Technical data

Note

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

Dimensions

Width	54.4 mm
Height	146.4 mm
Depth	125 mm

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 75 °C
Ambient temperature (storage/transport)	-45 °C ... 85 °C
Permissible humidity (operation)	5 % ... 95 % (non-condensing)

Industrial Ethernet Switch - FL SWITCH 1008E - 2891065

Technical data

Ambient conditions

Air pressure (operation)	82 kPa ... 108 kPa (up to 1500 m above mean sea level)
--------------------------	--

Interfaces

Interface 1	Ethernet (RJ45)
No. of ports	8 (RJ45 ports)
Connection method	RJ45
Note on connection method	Auto negotiation and autocrossing
Transmission physics	Ethernet in RJ45 twisted pair
Transmission speed	10/100 MBit/s
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
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

Developed in acc. with standard	IEC 61000-6.2
Test standard	IEC 61000-4-2 (ESD)
Test result	Criterion B
Test standard	IEC 61000-4-3 (immunity to radiated interference)
Test result	Criterion A
Test standard	IEC 61000-4-4 (burst)

Industrial Ethernet Switch - FL SWITCH 1008E - 2891065

Technical data

Standards and Regulations

Test result	Criterion A
Test standard	IEC 61000-4-5 (surge)
Test result	Criterion B
Test standard	IEC 61000-4-6 (immunity to conducted interference)
Test result	Criterion A
Test standard	IEC 61000-4-8 (immunity to magnetic fields)
Test result	Criterion A
Test standard	IEC 61000-4-9 (immunity to pulsed magnetic field)
Test result	Criterion B
Test standard	EN 55022 (emitted interference)
Test result	Criterion B
Standards/regulations	IEC 61850-3
	IEEE 1613
Type of test	Shock in acc. with EN 60068-2-27/IEC 60068-2-27
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

Classifications

eCl@ss

eCl@ss 4.0	24010504
eCl@ss 4.1	24010504
eCl@ss 5.0	19030117
eCl@ss 5.1	19030117
eCl@ss 6.0	19170106
eCl@ss 7.0	19170106
eCl@ss 8.0	19170106

ETIM

ETIM 3.0	EC000734
ETIM 4.0	EC000734
ETIM 5.0	EC000734

UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201410

Industrial Ethernet Switch - FL SWITCH 1008E - 2891065

Classifications

UNSPSC

UNSPSC 13.2	43201410
-------------	----------

Approvals

Approvals

Approvals

UL Listed / cUL Listed / EAC / EAC

Ex Approvals

Approvals submitted

Approval details

UL Listed	
mm ² /AWG/kcmil	30-14

cUL Listed	
mm ² /AWG/kcmil	30-14

EAC

EAC

Phoenix Contact 2016 © - all rights reserved
<http://www.phoenixcontact.com>

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



Automatización Eléctrica
Especialistas en Automatización

Below is a list of articles with direct links to our shop Electric Automation Network where you can see:

- Quote per purchase volume in real time.
- Online documentation and datasheets of all products.
- Estimated delivery time enquiry in real time.
- Logistics systems for the shipment of materials almost anywhere in the world.
- Purchasing management, order record and tracking of shipments.

To access the product, [click on the green button.](#)

Product	Code	Reference	Product link
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.	2891065	FL SWITCH 1008E	Buy on EAN