

FL SWITCH 5TX-ZF - Industrial Ethernet Switch



2832894

<https://www.phoenixcontact.com/us/products/2832894>

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 documentation. Our general terms of use for downloads are valid.



Ethernet switch, 5 Ethernet ports on the front in RJ45 format, automatic detection of 10 or 100 Mbps data transmission speed, coupling of network segments with different transmission speeds, autocrossing function, DIN-rail mountable

Commercial data

Item number	2832894
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DN19
Product key	DNN111
GTIN	4017918913229
Weight per piece (including packing)	317 g
Weight per piece (excluding packing)	300.7 g
Customs tariff number	84718000
Country of origin	DE

Technical data

Dimensions

Width	45 mm
Height	99 mm
Depth	112 mm

Material specifications

Color	green
Housing material	PA 6.6

Mounting

Mounting type	DIN rail mounting
---------------	-------------------

Interfaces

Ethernet

Connection method	5 ports 10/100BaseT(X) auto negotiation and autocrossing
Transmission speed	10/100 Mbps
Transmission physics	Ethernet in RJ45 twisted pair
Transmission length	100 m (per segment)
Signal LEDs	Data receive, link status

Potential-free signaling contact

Connection method	Plug-in/screw connection via COMBICON
-------------------	---------------------------------------

Product properties

Product type	Switch
Type	Stand-alone

Insulation characteristics

Protection class	III (IEC 61140, EN 61140, VDE 0140-1)
------------------	---------------------------------------

Switch functions

Basic functions	Unmanaged switch / auto negotiation, complies with IEEE 802.3, store and forward switching mode
Status and diagnostic indicators	LEDs: U _{S1} , U _{S2} (redundant voltage supply), link and activity per port
Additional functions	Autonegotiation

Security functions

Basic functions	Unmanaged switch / auto negotiation, complies with IEEE 802.3, store and forward switching mode
-----------------	---

Electrical properties

Local diagnostics	US1, US2 Supply voltage US1, US2 Green LED
	One LED per port Link active Green LED

FL SWITCH 5TX-ZF - Industrial Ethernet Switch



2832894

<https://www.phoenixcontact.com/us/products/2832894>

	One LED per port Telegrams received Yellow LED
Maximum power dissipation for nominal condition	4.3 W
Test section	500 V DC 1 min
Transmission medium	Copper

Supply

Supply voltage	24 V DC
Supply voltage range	18.5 V DC ... 30.2 V DC
Power supply connection	Via spring-cage COMBICON; max. conductor cross-section 2.5 mmsup2
Residual ripple	3.6 V _{PP} (within the permitted voltage range)
Typical current consumption	180 mA (to U _S)

Connection data

Connection method	RJ45, shielded
-------------------	----------------

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	0 °C ... 55 °C (non-condensing)
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Permissible humidity (operation)	30 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	30 % ... 95 % (non-condensing)
Vibration (operation)	in acc. with IEC 60068-2-6: 5g, 150 Hz
Air pressure (operation)	86 kPa ... 108 kPa (1500 m above sea level)
Air pressure (storage/transport)	66 kPa ... 108 kPa (3500 m above sea level)
Resistance to gases that may endanger the functions, in acc. with DIN 40046-36, DIN 40046-37	Sulfur dioxide (SO ₂) 10 ±0.3 cm ³ /m ³ , hydrogen sulfide (H ₂ S) 1 ±0.3 cm ³ /m ³ , at 25°C and 75% humidity and exposure of four days

Standards and regulations

Free from substances that could impair the application of coating	In acc. with VW specification
---	-------------------------------

EMC data

Electromagnetic compatibility	Conformance with EMC directive 89/336/EC
Conformance with EMC directives	IEC 61000-6-2 IEC 61000-4-2 (ESD) Criterion B
	IEC 61000-6-2 IEC 61000-4-3 (immunity to radiated interference) Criterion A
	IEC 61000-6-2 IEC 61000-4-4 (burst) Criterion A
	IEC 61000-6-2 IEC 61000-4-5 (surge) Criterion B
	IEC 61000-6-2 IEC 61000-4-6 (immunity to conducted interference) Criterion A
	IEC 61000-6-2 IEC 61000-4-8 (immunity to magnetic fields) Criterion A
Noise immunity	IEC 61000-6-2 EN 55022 (emitted interference) Criterion A EN 61000-6-2:2005

FL SWITCH 5TX-ZF - Industrial Ethernet Switch



2832894

<https://www.phoenixcontact.com/us/products/2832894>

Noise emission

Standards/regulations

EN 61000-6-4

System properties

Functionality

Basic functions

Unmanaged switch / auto negotiation, complies with IEEE 802.3, store and forward switching mode

Signaling

Status display

LEDs: U_{S1}, U_{S2} (redundant voltage supply), link and activity per port

FL SWITCH 5TX-ZF - Industrial Ethernet Switch



2832894

<https://www.phoenixcontact.com/us/products/2832894>

Environmental product compliance

EU REACH SVHC

REACH candidate substance (CAS No.)	
-------------------------------------	--

	No substance above 0.1 wt%
--	----------------------------

Phoenix Contact 2026 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com