FL SWITCH SF 4TX/3FX ST - Industrial Ethernet Switch



2832603

https://www.phoenixcontact.com/us/products/2832603

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, 4 TP RJ45 ports, 3 FO ports, 100 Mbps full duplex in ST-D format, automatic detection of data transmission speed of 10 or 100 Mbps (RJ45), auto crossing function

Your advantages

- · RJ45 ports support a transmission speed of 10/100 Mbps
- Fiber-optic ports support 100 Mbps
- · Relay contact for alarm processing of voltage states
- · Security options with cable locking
- · Local diagnostic indicators with LEDs
- · Auto negotiation and autocrossing detection simplifies installation and setup

Commercial data

Item number	2832603
Packing unit	1 pc
Sales key	DN19
Product key	DNN112
Catalog page	Page 299 (C-6-2019)
GTIN	4046356044097
Weight per piece (including packing)	430.3 g
Weight per piece (excluding packing)	265 g
Customs tariff number	85176200
Country of origin	TW



2832603

https://www.phoenixcontact.com/us/products/2832603

Technical data

Dimensions

	Width	135 mm		
	Height	115.3 mm		
	Depth	30 mm		
Material specifications				
	Housing material	Aluminum		
Mounting				
	Mounting type	DIN rail mounting		

Interfaces

hernet (RJ45)	
Connection method	RJ45
Note on the connection method	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
No. of channels	4 (RJ45 ports)
ber optic interface	
Connection method	ST
Connection method	ST 100 Mbps (full duplex)
•	ST 100 Mbps (full duplex) multi-mode fiberglass
Connection method Transmission speed	100 Mbps (full duplex)
Connection method Transmission speed Transmission physics	100 Mbps (full duplex) multi-mode fiberglass
Connection method Transmission speed Transmission physics Transmission length	100 Mbps (full duplex) multi-mode fiberglass 6400 m (fiberglass with F-G 50/125 0.7 dB/km F1200)
Connection method Transmission speed Transmission physics Transmission length Wavelength	100 Mbps (full duplex) multi-mode fiberglass 6400 m (fiberglass with F-G 50/125 0.7 dB/km F1200) 1300 nm

Product properties

Туре	Block design
Product type	Switch
Product family	Unmanaged Switch SF
MTTF	100.7 Years (MIL-HDBK-217F standard, temperature 25°C)
nsulation characteristics	
	III (IEC 61140, EN 61140, VDE 0140-1)
nsulation characteristics	



2832603

https://www.phoenixcontact.com/us/products/2832603

Permissible humidity (storage/transport)

with DIN 40046-36, DIN 40046-37

Resistance to gases that may endanger the functions, in acc.

Vibration (operation)

Air pressure (operation) Air pressure (storage/transport)

e and forward switching mode s: U _{S1} , U _{S2} (redundant voltage supply), link and activity per negotiation anaged switch / auto negotiation, complies with IEEE 802.3 and forward switching mode 2 Supply voltage Green LED ACT Link status/data transmission Green LED Data transmission speed Yellow LED W V DC 1 min.
anaged switch / auto negotiation, complies with IEEE 802.3 and forward switching mode 22 Supply voltage Green LED ACT Link status/data transmission Green LED Data transmission speed Yellow LED W
anaged switch / auto negotiation, complies with IEEE 802.3 and forward switching mode 2 Supply voltage Green LED ACT Link status/data transmission Green LED Data transmission speed Yellow LED W
and forward switching mode 2 Supply voltage Green LED ACT Link status/data transmission Green LED Data transmission speed Yellow LED W
and forward switching mode 2 Supply voltage Green LED ACT Link status/data transmission Green LED Data transmission speed Yellow LED W
ACT Link status/data transmission Green LED Data transmission speed Yellow LED W
ACT Link status/data transmission Green LED Data transmission speed Yellow LED W
Data transmission speed Yellow LED W
W
V DC 1 min.
ber
DC (redundant)
V DC 30.2 V DC
COMBICON, max. conductor cross section 2.5 mm ²
$V_{\rm PP}$ (within the permitted voltage range)
mA (at U _S = 24 V DC)
w connection
nm² 2.5 mm²
nm² 2.5 mm²
12
n
ר י י

5 % ... 95 % (non-condensing)

days

in acc. with IEC 60068-2-6: 5g, 150 Hz

86 kPa ... 108 kPa (up to 1500 m above sea level)

66 kPa ... 108 kPa (up to 3500 m above sea level)

Sulfur dioxide (SO₂) 10 \pm 0.3 cm³/m³, hydrogen sulfide (H₂S) 1

 ± 0.3 cm³/m³, at 25°C and 75% humidity and exposure of four

FL SWITCH SF 4TX/3FX ST - Industrial Ethernet Switch



2832603

https://www.phoenixcontact.com/us/products/2832603

EMC data

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 A
	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
	IEC 61000-6-2 EN 55022 (emitted interference) Criterion A
Noise immunity	EN 61000-6-2:2005
Electromagnetic compatibility	Conformance with EMC Directive 2004/108/EC
Noise emission	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: $\rm U_{S1}, \rm U_{S2}$ (redundant voltage supply), link and activity per port

Phoenix Contact 2024 © - 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