

Industrial Ethernet Switch - FL SWITCH SFNT 8TX - 2891005

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>)




Wide-temperature Ethernet switch, 8 TP RJ45 ports, automatic detection of data transmission speed of 10/100 Mbps (RJ45), autocrossing function, reads QoS priority messages, accepts security frames

Your advantages

- ✓ Auto negotiation and autocrossing detection simplifies installation and setup
- ✓ Alarm contact for power supply and link status diagnostics
- ✓ Local diagnostic indicators with LEDs
- ✓ The switch also offers cable locking and port blocking
- ✓ QoS-prioritized (Quality of Service) messages
- ✓ Wide operating temperature range (-40°C ... +75°C)
- ✓ RJ45 ports support a transmission speed of 10/100 Mbps; fiber optic ports support 100 Mbps



Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 457200
GTIN	4046356457200

Technical data

Note

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

Dimensions

Width	50 mm
Height	130 mm
Depth	100 mm

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 75 °C

Industrial Ethernet Switch - FL SWITCH SFNT 8TX - 2891005

Technical data

Ambient conditions

Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	5 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	5 % ... 95 % (non-condensing)
Air pressure (operation)	62 kPa ... 108 kPa (up to 4160 m above mean sea level)
Air pressure (storage/transport)	62 kPa ... 108 kPa (up to 4160 m above mean sea level)

Interfaces

Interface	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

Function

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

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)
Residual ripple	3.6 V _{PP} (within the permitted voltage range)
Supply voltage range	9 V DC ... 32 V DC
Typical current consumption	155 mA (at U _S = 24 V DC)
Max. current consumption	490 mA (@9 V DC)

General

Mounting type	DIN rail
Type AX	Block design
Net weight	460 g
Housing material	Aluminum
MTTF	80.2 Years (MIL-HDBK-217F standard, temperature 25°C, operating cycle 100%)

Standards and Regulations

Electromagnetic compatibility	Conformance with EMC Directive 2004/108/EC
Noise emission	EN 61000-6-4
Noise immunity	EN 61000-6-2
Conformance	CE-compliant
ATEX	# II 3 G Ex nA nC IIC T4 Gc
IECEX	Ex nA nC IIC T4 Gc

Industrial Ethernet Switch - FL SWITCH SFNT 8TX - 2891005

Technical data

Standards and Regulations

UL, USA/Canada	Class I, Div. 2, Groups A, B, C, D
----------------	------------------------------------

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"

Classifications

eCl@ss

eCl@ss 10.0.1	19170402
eCl@ss 4.0	27250500
eCl@ss 4.1	27250500
eCl@ss 5.0	19030100
eCl@ss 5.1	19030100
eCl@ss 6.0	19170100
eCl@ss 7.0	19170106
eCl@ss 8.0	19170106
eCl@ss 9.0	19170106

ETIM

ETIM 2.0	EC000734
ETIM 3.0	EC000734
ETIM 4.0	EC000734
ETIM 5.0	EC000734
ETIM 6.0	EC000734
ETIM 7.0	EC000734

UNSPSC

UNSPSC 6.01	43172901
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201410
UNSPSC 13.2	43222612
UNSPSC 18.0	43222612
UNSPSC 19.0	43222612
UNSPSC 20.0	43222612
UNSPSC 21.0	43222612

Approvals

Approvals

Industrial Ethernet Switch - FL SWITCH SFNT 8TX - 2891005

Approvals

Approvals

BV / LR / NK / ABS / BSH / UL Listed / cUL Listed / EAC / EAC / KC / EAC / DNV GL / LR / cULus Listed

Ex Approvals

IECEX / ATEX / UL Listed / cUL Listed / cULus Listed

Approval details

BV		http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials	22935/C0 BV
LR		http://www.lr.org/en	LR2002520TA
NK		http://www.classnk.or.jp/hp/en/	TA20175M
ABS		http://www.eagle.org/eagleExternalPortalWEB/	19-HG1928426-PDA
BSH			627
UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 140324
cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 140324
EAC			RU *- DE.A*08.B.00739
EAC			RU *- DE.A*30.B.01735

Industrial Ethernet Switch - FL SWITCH SFNT 8TX - 2891005

Approvals

KC		http://eng.kcc.go.kr/user/ehpMain.do	KCC-REI- PCK-FL289100
----	--	---	--------------------------

EAC			RU*- DE.*.B.00741/19
-----	--	--	-------------------------

DNV GL		https://approvalfinder.dnvgl.com/	TAA00002HR
--------	--	---	------------

LR		http://www.lr.org/en	LR2002520TA
----	--	---	-------------

cULus Listed			
--------------	--	--	--

Accessories

Accessories

Assembly adapter

Mounting plate - FL PA SFNT 5-8 - 2891012



Mounting plate for SFNT switches

Data cable preassembled

Patch cable - NBC-R4AC-R4AC-IE8A/.../... - 1411854



Patch cable, degree of protection: IP20, number of positions: 8, 10 Gbps, CAT6_A, cable outlet: straight

Industrial Ethernet Switch - FL SWITCH SFNT 8TX - 2891005

Accessories

Patch cable - NBC-R4AC/10G-R4AC/10G-94F/2,0 - 1408360



Patch cable, CAT6_A, 4-pair, shielded, connection not crossed (line), assembled at both ends with RJ45/IP20 connectors, outer sheath material: PUR, length: 2.0 m

Patch cable - NBC-R4AC/10G-R4AC/10G-94F/3,0 - 1408365



Patch cable, CAT6_A, 4-pair, shielded, connection not crossed (line), assembled at both ends with RJ45/IP20 connectors, outer sheath material: PUR, length: 3.0 m

Patch cable - NBC-R4AC/1,0-93B/R4AC - 1408968



PROFINET patch cable, shielded, star-quad, 22 AWG stranded (7-wire), green, straight RJ45 male connector/IP20 to straight RJ45 male connector/IP20, length: 1.0 m

Patch cable - NBC-R4AC/2,0-93B/R4AC - 1408969



PROFINET patch cable, shielded, star quad, 22 AWG stranded (7-wire), green, straight RJ45 plug/IP20, to straight RJ45 plug/IP20, length: 2 m

Patch cable - NBC-R4AC/5,0-93B/R4AC - 1408970



PROFINET patch cable, shielded, star quad, 22 AWG stranded (7-wire), green, straight RJ45 plug/IP20 to straight RJ45 plug/IP20, length: 5 m

End block

Industrial Ethernet Switch - FL SWITCH SFNT 8TX - 2891005

Accessories

End clamp - E/NS 35 N - 0800886



End clamp, width: 9.5 mm, color: gray

Mounting rail adapter

DIN rail adapter - FL DIN RA - 2891053



The FL DIN RA is installed in a standard, 19-inch rack (EIA-310-D, IEC 60297-3-100) to allow DIN rail mounted equipment to be rack mounted.

PCB plug

Printed-circuit board connector - MSTB 2,5/ 6-ST - 1754520



PCB connector, nominal current: 12 A, rated voltage (III/2): 320 V, nominal cross section: 2.5 mm², number of positions: 6, pitch: 5 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin

Protective cap

Dust protection - FL RJ45 PROTECT CAP - 2832991



Dust protection caps for RJ45 socket

Safety locking

Port Guard Security Element - FL SEC PAC 4TX - 2832865

Layer1 security elements for four RJ45 network connections for use with patch boxes and panels



Industrial Ethernet Switch - FL SWITCH SFNT 8TX - 2891005

Accessories

Surge protection for information technology

Surge protection device - DT-LAN-CAT.6+ - 2881007



Surge protection in accordance with Class E_A (CAT6_A), for Gigabit Ethernet (up to 10 Gbps), token ring, FDDI/CDDI, ISDN, and DS1. Suitable for Power over Ethernet (PoE+) "Mode A" and "Mode B". RJ45 attachment plug with separate grounding cable and ground connection snap-on foot for NS 35 DIN rails.

Phoenix Contact 2020 © - 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>

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Ethernet Modules](#) category:

Click to view products by [Phoenix Contact](#) manufacturer:

Other Similar products are found below :

[TDKEZW3](#) [V23993-USB1029A](#) [100-POE4](#) [I210T1BLK](#) [FC6A-PH1](#) [W4S105C](#) [X520QDA1](#) [BCM84794A1KFSBG](#) [X520DA2OCP](#) [808-38157](#) [7506GX2](#) [TC EXTENDER 2001 ETH-2S](#) [105FX-SC-MDR](#) [110FX2-SC](#) [BCM54291B0IQLEG](#) [7000-P3201-P050150](#) [750-1415](#) [750-1515](#) [750-494](#) [750-495](#) [750-612](#) [750-643](#) [750-652](#) [750-940](#) [753-650/003-000](#) [852-1322](#) [852-1328](#) [852-1812](#) [852-1813](#) [852-1816](#)
[LANTICK PE-0-16](#) [LANTICK PE-16-0](#) [RBMTXLITE-L4X2.X.X.X.X.](#) [USR-TCP232-T2](#) [2017008](#) [EKI-7708E-4F-AE](#) [EKI-7708E-4FP-AE](#)
[EKI-7708G-4FP-AE](#) [2352903-2](#) [EGU-0702-SFP-T](#) [EKI-2706G-1GFPI-BE](#) [SW-125](#) [SW-525](#) [SW-725](#) [1005957](#) [1006191](#) [304TX-N](#)
[WIZ107SR_TTL](#) [ES-320](#) [TDKEZW5](#)