

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

Why buy this product

- ✓ 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



Ethernet

Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 457200
GTIN	4046356457200
Weight per Piece (excluding packing)	460.000 g
Custom tariff number	85176200
Country of origin	Taiwan

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

Industrial Ethernet Switch - FL SWITCH SFNT 8TX - 2891005

Technical data

Ambient conditions

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

Function

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

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

Standards and Regulations

Electromagnetic compatibility	Conformance with EMC Directive 2004/108/EC
Noise emission	EN 61000-6-4
Noise immunity	EN 61000-6-2

Industrial Ethernet Switch - FL SWITCH SFNT 8TX - 2891005

Approvals

Approvals

Approvals

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

Ex Approvals

UL Listed / cUL Listed / cULus Listed

Approval details

LR		http://www.lr.org/en	10/20002
GL		http://exchange.dnv.com/tari/	86569-10 HH
BV		http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials	22935/B1 BV
DNV		http://exchange.dnv.com/tari/	A-13961
ABS		http://www.eagle.org/eagleExternalPortalWEB/	14-HG1290743-PDA
GL-SW			86569-10 HH
BSH		http://www.bsh.de/de/index.jsp	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

Industrial Ethernet Switch - FL SWITCH SFNT 8TX - 2891005

Approvals

EAC			EAC-Zulassung
EAC			RU *- DE.A*30.B.01735
KC		http://eng.kcc.go.kr/user/ehpMain.do	KCC-REI- PCK-FL289100
NK		http://www.classnk.or.jp/hp/en/	TA15641M
GL		http://www.gl-group.com/newbuilding/approvals/index.html	
cULus Listed			