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Industrial Ethernet Switch - FL SWITCH SFNT 5TX - 2891003

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Wide-temperature Ethernet switch, 5 TP RJ45 ports, automatic detection of data transmission speed of 10/100 Mbps (RJ45), autocrossing function, reads QoS priority messages, accepts security frames

One port is located on the bottom

Why buy this product

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

Ethernet

Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 457187

Technical data

Dimensions

Width	30 mm
Height	130 mm
Depth	100 mm

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)

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Technical data

Interfaces

Interface 1	Ethernet (RJ45)
No. of ports	5 (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

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	125 mA (at U _S = 24 V DC)
Max. current consumption	345 mA (@9 V DC)

General

Mounting type	DIN rail
Type AX	Block design
Net weight	275 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

Classifications

eCl@ss

eCl@ss 4.0	27250501
eCl@ss 4.1	27250501
eCl@ss 5.0	19030117
eCl@ss 5.1	19030117
eCl@ss 6.0	19170106
eCl@ss 7.0	19170106

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Classifications

eCl@ss

eCl@ss 8.0	19170106
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ETIM

ETIM 2.0	EC000734
ETIM 3.0	EC000734
ETIM 4.0	EC000734
ETIM 5.0	EC000734

UNSPSC

UNSPSC 6.01	43172901
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201410
UNSPSC 13.2	43201410

Approvals

Approvals

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

Ex Approvals

UL Listed / cUL Listed / cULus Listed

Approvals submitted

Approval details

LR

GL

DNV

ABS


GL-SW

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Approvals

BSH

UL Listed 


cUL Listed 

EAC

EAC

BV

GL

cULus Listed 

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



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Product	Code	Reference	Product link
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