

# Switch - FL SWITCH SFNT 4TX/FX - 2891004

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Wide-temperature Ethernet switch, 4 TP RJ45 ports, 1 FO port, 100 Mbps full duplex in SC-D format, automatic detection of data transmission speed of 10/100 Mbps (RJ45), autocrossing function, reads QoS priority messages, accepts security frames

## Product Features

- Local diagnostic indicators with LEDs
- Alarm contact for power supply and link status diagnostics
- 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

package_quantity	1
GTIN	4046356457194

### 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 % (no condensation)
Permissible humidity (storage/transport)	5 % ... 95 % (no condensation)
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)
Noise immunity	EN 61000-6-2

#### Interfaces

Interface 1	Ethernet (RJ45)
No. of ports	4 (RJ45 ports)
Connection method	RJ45

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## Technical data

### Interfaces

<b>Note on connection method</b>	Auto negotiation and autocrossing
<b>Transmission physics</b>	Ethernet in RJ45 twisted pair
<b>Transmission speed</b>	10/100 MBit/s
<b>Interface 2</b>	Fiber optic interface
<b>No. of ports</b>	1 (FO port)
<b>Connection method</b>	SC
<b>Transmission physics</b>	Multimode fiberglass
<b>Transmission speed</b>	100 MBit/s (SC-D, full duplex)
<b>Transmission length</b>	12.1 km (fiberglass with F-G 62.5/125 0.7 dB/km F1000)
<b>Transmission length</b>	3.3 km (fiberglass with F-G 62.5/125 2.6 dB/km F600)
<b>Transmission length</b>	7.1 km (fiberglass with F-G 50/125 0.7 dB/km F1200)
<b>Transmission length</b>	3.1 km (fiberglass with F-G 50/125 1.6 dB/km F800)
<b>Wavelength</b>	1300 nm

### Function

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

### Network expansion parameters

<b>Cascading depth</b>	Network, linear, and star structure: any
<b>Maximum conductor length ((twisted pair)</b>	100 m

### Supply voltage

<b>Supply voltage</b>	24 V DC (redundant)
<b>Residual ripple</b>	3.6 V <sub>PP</sub> (within the permitted voltage range)
<b>Supply voltage range</b>	9 V DC ... 32 V DC
<b>Typical current consumption</b>	180 mA (@24 V DC)
<b>Max. current consumption</b>	565 mA (@9 V DC)

### General

<b>Mounting type</b>	DIN rail
<b>Type AX</b>	Block design
<b>Weight</b>	280 g
<b>Housing material</b>	Aluminum
<b>Noise emission</b>	EN 61000-6-4

## classifications

### eCl@ss

<b>eCl@ss 4.0</b>	27250501
<b>eCl@ss 4.1</b>	27250501
<b>eCl@ss 5.0</b>	19030117

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## classifications

### eCl@ss

eCl@ss 5.1	19030117
eCl@ss 6.0	19170106
eCl@ss 7.0	19170106
eCl@ss 8.0	19170106

### ETIM

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

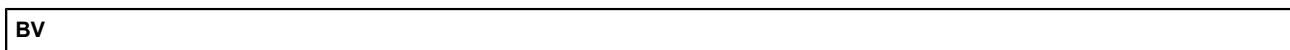
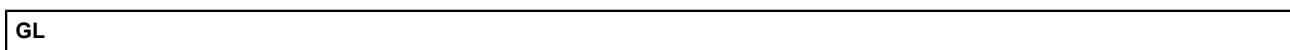
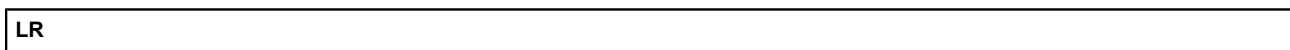
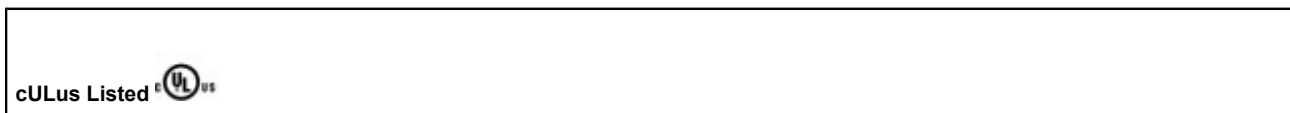
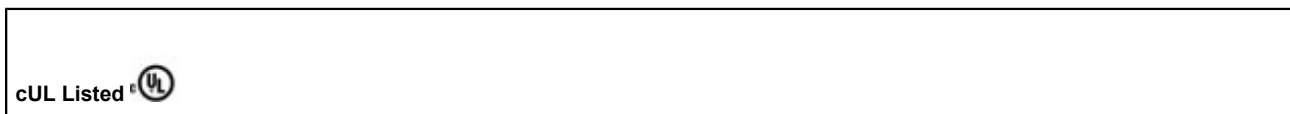
### UNSPSC

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

## approvals

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

### Approval details



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## approvals

DNV

ABS

NK

GL-SW

BSH







## accessories

### Assembly adapter

FL PA SFNT 5-8 - 2891012



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### Patch cable

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### accessories

FL CAT5 PATCH 0,3 - 2832250



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FL CAT5 PATCH 0,5 - 2832263



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FL CAT5 PATCH 1,0 - 2832276



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FL CAT5 PATCH 1,5 - 2832221



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FL CAT5 PATCH 2,0 - 2832289



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FL CAT5 PATCH 3,0 - 2832292



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### accessories

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FL CAT5 PATCH 5,0 - 2832580



FL CAT5 PATCH 7,5 - 2832616



FL CAT5 PATCH 10,0 - 2832629



### Protective cap

FL RJ45 PROTECT CAP - 2832991



### End block

E/NS 35 N - 0800886



### Patch panel

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accessories

FL SEC PAC 4TX - 2832865



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## Drawings

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