

# Switch - FL SWITCH SFN 4TX/FX - 2891851

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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 or 100 Mbps (RJ45), autocrossing function

## Product Features

- Auto negotiation and autocrossing detection simplifies installation and setup
- Local diagnostic indicators with LEDs
- The switch also offers cable locking and port blocking
- DC and AC power supplies
- RJ45 ports support a transmission speed of 10/100 Mbps; fiber optic ports support 100 Mbps
- QoS-prioritized (Quality of Service) messages
- Data flow control can be disabled to locate network device errors

## Ethernet

## Key commercial data

package_quantity	1
GTIN	4046356100809

## Technical data

### Dimensions

Width	30 mm
Height	120 mm
Depth	70 mm

### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	0 °C ... 60 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Permissible humidity (operation)	5 % ... 95 % (no condensation)
Permissible humidity (storage/transport)	5 % ... 95 % (no condensation)
Air pressure (operation)	86 kPa ... 108 kPa (up to 1500 m above mean sea level)
Air pressure (storage/transport)	66 kPa ... 108 kPa (up to 3500 m above mean sea level)
Noise immunity	EN 61000-6-2:2005

### Interfaces

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

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## Technical data

### Interfaces

<b>Connection method</b>	RJ45
<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>	2000 m (Fiberglass 50/125)
<b>Transmission length</b>	2000 m (Fiberglass 62.5/125)
<b>Wavelength</b>	1300 nm/1310 nm

### Function

<b>Basic functions</b>	Unmanaged switch / autonegotiation, complies with IEEE 802.3, store and forward switching mode
<b>Status and diagnostic indicators</b>	LEDs: U <sub>S</sub> , link and activity per port

### 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
<b>Residual ripple</b>	3.6 V <sub>pp</sub> (within the permitted voltage range)
<b>Supply voltage range</b>	9 V DC ... 30.2 V DC
<b>Typical current consumption</b>	typ. 140 mA

### General

<b>Mounting type</b>	DIN rail
<b>Type AX</b>	Block design
<b>Weight</b>	265 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>	27250501
<b>eCl@ss 5.1</b>	27250501
<b>eCl@ss 6.0</b>	27250501
<b>eCl@ss 7.0</b>	27250501

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## classifications

### eCl@ss

eCl@ss 8.0	19170125
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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	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201410
UNSPSC 13.2	43201410

## approvals

UL Listed / cUL Listed / cULus Listed / UL Listed / cUL Listed / cULus Listed /

### Approval details

UL Listed

cUL Listed

cULus Listed

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approvals



accessories

### Patch cable

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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### accessories

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FL CAT5 PATCH 3,0 - 2832292



FL CAT5 PATCH 5,0 - 2832580



FL CAT5 PATCH 7,5 - 2832616



FL CAT5 PATCH 10,0 - 2832629



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### Protective cap

FL RJ45 PROTECT CAP - 2832991



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### End block

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accessories

E/NS 35 N - 0800886



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## Patch panel

FL SEC PAC 4TX - 2832865



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## Drawings

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