

# Switch - FL SWITCH SFNB 4TX/FX SM20 - 2891029

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Ethernet switch, 4 TP RJ45 ports, 1 FO port, 100 Mbps full duplex in SC-D format, single mode fiberglass, automatic detection of data transmission speed of 10 or 100 Mbps (RJ45), autocrossing function

## Product Features

- ✔ Multi-mode and single-mode fiberglass connections are available for larger distances
- ✔ Auto negotiation and autocrossing detection simplifies installation and setup
- ✔ Local diagnostic indicators with LEDs
- ✔ Security options with cable locking
- ✔ RJ45 ports support a transmission speed of 10/100 Mbps; fiber optic ports support 100 Mbps

## Ethernet

### Key commercial data

package_quantity	1
GTIN	4046356588102

## Technical data

### Dimensions

Width	28 mm
Height	110 mm
Depth	70 mm

### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-10 °C ... 60 °C
Ambient temperature (storage/transport)	-20 °C ... 85 °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

### Interfaces

Interface 1	Ethernet (RJ45)
No. of ports	4 (RJ45 ports)
Connection method	RJ45
Transmission physics	Ethernet in RJ45 twisted pair

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## Technical data

### Interfaces

<b>Transmission speed</b>	10/100 MBit/s
<b>No. of ports</b>	1 (FO port)
<b>Connection method</b>	SC
<b>Transmission physics</b>	Single mode fiberglass
<b>Transmission speed</b>	100 MBit/s (SC single-mode)
<b>Transmission length</b>	25 km (fiberglass with F-G 9/125 0.5 dB/km)

### 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>	12 V DC ... 48 V DC
<b>Typical current consumption</b>	175 mA (@24 V DC)

### General

<b>Mounting type</b>	DIN rail
<b>Type AX</b>	Block design
<b>Weight</b>	205 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
<b>eCl@ss 5.1</b>	19030117
<b>eCl@ss 6.0</b>	19170106
<b>eCl@ss 7.0</b>	19170106
<b>eCl@ss 8.0</b>	19170106

### ETIM

<b>ETIM 2.0</b>	EC000734
<b>ETIM 3.0</b>	EC000734
<b>ETIM 4.0</b>	EC000734
<b>ETIM 5.0</b>	EC000734

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## classifications

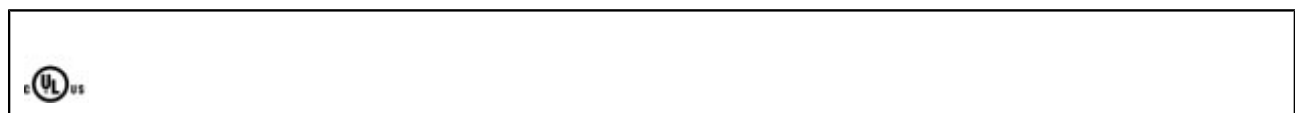
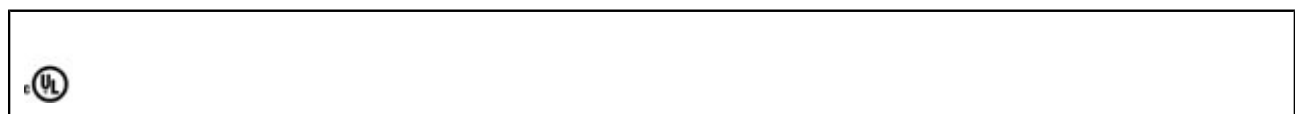
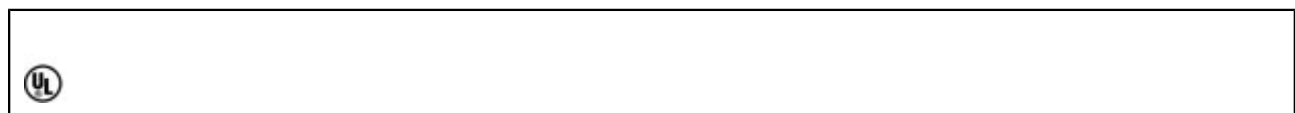
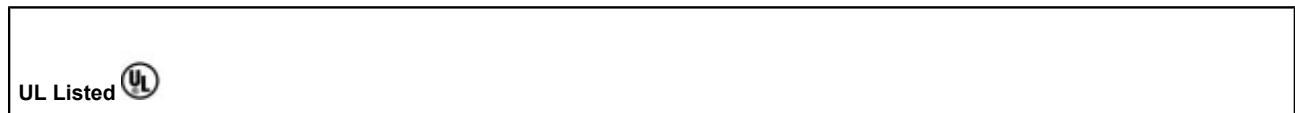
### UNSPSC

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 / UL Listed / cUL Listed / cULus Listed /

### Approval details



## accessories

### Patch cable

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### accessories

FL CAT5 PATCH 0,3 - 2832250



FL CAT5 PATCH 0,5 - 2832263



FL CAT5 PATCH 1,0 - 2832276



FL CAT5 PATCH 1,5 - 2832221



FL CAT5 PATCH 2,0 - 2832289



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



### Drawings

