

# Switch - FL SWITCH SFN 6TX/2FX ST - 2891411

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Ethernet switch, 6 TP RJ45 ports, 2 FO ports, 100 Mbps full duplex in ST-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
- The switch also offers cable locking and port blocking
- Local diagnostic indicators with LEDs
- RJ45 ports support a transmission speed of 10/100 Mbps; fiber optic ports support 100 Mbps
- DC and AC power supplies
- Data flow control can be disabled to locate network device errors
- QoS-prioritized (Quality of Service) messages

## Ethernet

## Key commercial data

|                         |               |
|-------------------------|---------------|
| <b>package_quantity</b> | 1             |
| <b>GTIN</b>             | 4046356100861 |

## Technical data

### Dimensions

|               |        |
|---------------|--------|
| <b>Width</b>  | 50 mm  |
| <b>Height</b> | 120 mm |
| <b>Depth</b>  | 70 mm  |

### Ambient conditions

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

### Interfaces

|                     |                 |
|---------------------|-----------------|
| <b>Interface 1</b>  | Ethernet (RJ45) |
| <b>No. of ports</b> | 6 (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>              | 2 (FO ports)                      |
| <b>Connection method</b>         | ST                                |
| <b>Transmission physics</b>      | Multimode fiberglass              |
| <b>Transmission speed</b>        | 100 MBit/s (ST, 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                           |

### 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. 230 mA  |

### General

|                         |              |
|-------------------------|--------------|
| <b>Mounting type</b>    | DIN rail     |
| <b>Type AX</b>          | Block design |
| <b>Weight</b>           | 365 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> | 19170106 |
| <b>eCl@ss 7.0</b> | 19170106 |

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## classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 8.0 | 19170106 |
|------------|----------|

### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000734 |
| ETIM 3.0 | EC000734 |
| ETIM 4.0 | EC000734 |
| ETIM 5.0 | EC000734 |

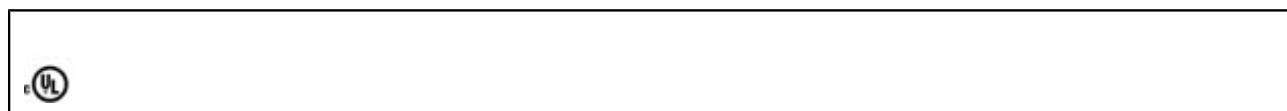
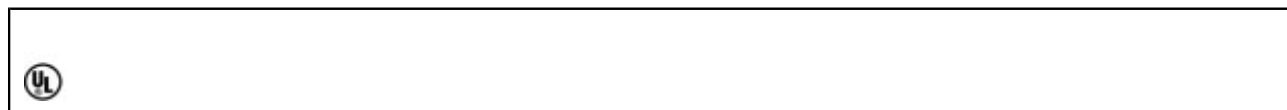
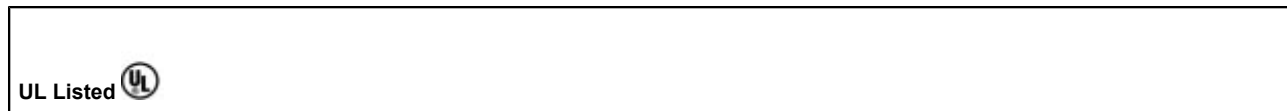
### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 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



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approvals



accessories

### Patch cable

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



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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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