

# Industrial Ethernet Switch - FL SWITCH SF 8TX - 2832771

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Ethernet Switch, 8 TP RJ45 ports, 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
- Security options with cable locking
- Relay contact for alarm processing of voltage states
- RJ45 ports support a transmission speed of 10/100 Mbps; fiber optic ports support 100 Mbps

## Ethernet

## Key commercial data

<b>package_quantity</b>	1
<b>GTIN</b>	4017918952204

## Technical data

### Note

<b>Utilization restriction</b>	EMC: class A product, see manufacturer's declaration in the download area
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### Dimensions

<b>Width</b>	135 mm
<b>Height</b>	94.3 mm
<b>Depth</b>	30 mm

### Ambient conditions

<b>Degree of protection</b>	IP20
<b>Ambient temperature (operation)</b>	0 °C ... 55 °C
<b>Ambient temperature (storage/transport)</b>	-20 °C ... 70 °C
<b>Permissible humidity (operation)</b>	5 % ... 95 % (non-condensing)
<b>Permissible humidity (storage/transport)</b>	5 % ... 95 % (non-condensing)
<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)
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## Technical data

### Interfaces

<b>No. of ports</b>	8 (RJ45 ports)
<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>Transmission length</b>	100 m (per segment)
<b>Signal LEDs</b>	Data receive, link status
<b>Interface 4</b>	Potential-free signaling contact
<b>Connection method</b>	Plug-in/screw connection via COMBICON

### 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>S1</sub> , U <sub>S2</sub> (redundant voltage supply), link and activity per port
<b>Signal contact control voltage</b>	24 V DC (typical)

### 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>	18.5 V DC ... 30.2 V DC
<b>Typical current consumption</b>	typ. 200 mA
<b>Max. current consumption</b>	typ.

### General

<b>Mounting type</b>	DIN rail
<b>Type AX</b>	Block design
<b>Weight</b>	260 g
<b>Housing material</b>	Aluminum
<b>Noise emission</b>	EN 61000-6-4

### Mechanical tests

<b>Type of test</b>	Shock in acc. with EN 60068-2-27/IEC 60068-2-27
<b>Test result</b>	Operation: 25 g, 11 ms duration, semi-sinusoidal shock impulse

### Conformity with EMC directives

<b>Developed in acc. with standard</b>	IEC 61000-6.2
<b>Test standard</b>	IEC 61000-4-2 (ESD)
<b>Test result</b>	Criterion B
<b>Test standard</b>	IEC 61000-4-3 (immunity to radiated interference)
<b>Test result</b>	Criterion A

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## Technical data

### Conformity with EMC directives

<b>Test standard</b>	IEC 61000-4-4 (burst)
<b>Test result</b>	Criterion B
<b>Test standard</b>	IEC 61000-4-5 (surge)
<b>Test result</b>	Criterion B
<b>Test standard</b>	IEC 61000-4-6 (immunity to conducted interference)
<b>Test result</b>	Criterion A
<b>Test standard</b>	IEC 61000-4-8 (immunity to magnetic fields)
<b>Test result</b>	Criterion A
<b>Test standard</b>	EN 55022 (emitted interference)
<b>Test result</b>	Criterion A

## 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
<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

### UNSPSC

<b>UNSPSC 6.01</b>	43172015
<b>UNSPSC 7.0901</b>	43201404
<b>UNSPSC 11</b>	43172015
<b>UNSPSC 12.01</b>	43201410
<b>UNSPSC 13.2</b>	43201410

## approvals

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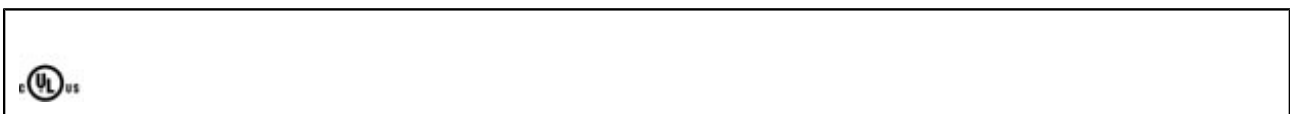
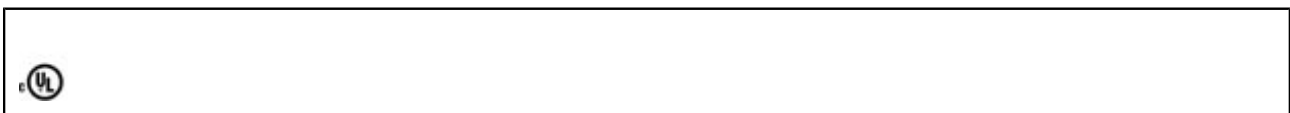
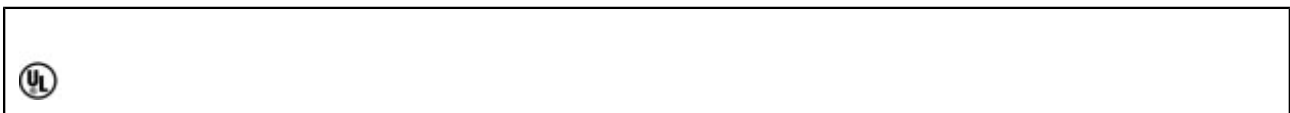
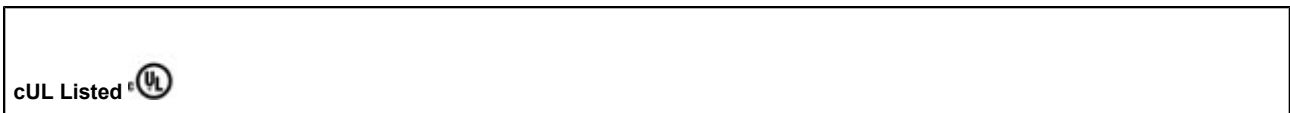
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### Approval details

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approvals



accessories

## Plug

FL PLUG RJ45 GR/2 - 2744856



FL PLUG RJ45 GN/2 - 2744571



Data cable by the meter

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### accessories

FL CAT5 HEAVY - 2744814



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FL CAT5 FLEX - 2744830



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### Universal tools

FL CRIMPTOOL - 2744869



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### Drawings

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