

## Switch - FL SWITCH SFNT 6TX/2FX ST - 2891026

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Wide-temperature 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, autocrossing function, reads QoS priority messages, accepts security frames


### 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
- Alarm contact for power supply and link status diagnostics
- 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

Packing unit	1 PCE
Minimum order quantity	100 PCE
GTIN	 4 046356 588072
Custom tariff number	85176200
Country of origin	TAIWAN

### Technical data

#### Note:

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

Width	50 mm
Height	130 mm

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## Technical data

### Dimensions

Depth	100 mm
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### Interfaces

Interface 1	Ethernet (RJ45)
No. of ports	6 (RJ45 ports)
Connection method	RJ45
Note on connection method	Auto negotiation and autocrossing
Transmission physics	Ethernet in RJ45 twisted pair
Transmission speed	10/100 MBit/s
Interface 2	Fiber optic interface
No. of ports	2 (FO port)
Connection method	ST
Transmission physics	Multimode fiberglass
Transmission speed	100 MBit/s (ST, full duplex)
Transmission length	12.1 km (fiberglass with F-G 62.5/125 0.7 dB/km F1000)
Transmission length	3.3 km (fiberglass with F-G 62.5/125 2.6 dB/km F600)
Transmission length	7.1 km (fiberglass with F-G 50/125 0.7 dB/km F1200)
Transmission length	3.1 km (fiberglass with F-G 50/125 1.6 dB/km F800)

### Function

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

### Network expansion parameters

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

### Supply voltage

Supply voltage	24 V DC (redundant)
Residual ripple	3.6 V <sub>PP</sub> (within the permitted voltage range)
Supply voltage range	9 V DC ... 32 V DC
Typical current consumption	250 mA (@24 V DC)

### General

Mounting type	DIN rail
Type AX	Block design
Weight	484 g
Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 75 °C

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## Technical data

### General

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)
Housing material	Aluminum
Noise emission	EN 61000-6-4
Noise immunity	EN 61000-6-2

## Classifications

### ETIM

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

### UNSPSC

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

### eCl@ss

eCl@ss 4.0	27250501
eCl@ss 4.1	27250501
eCl@ss 5.0	19030117
eCl@ss 5.1	19030117
eCl@ss 6.0	19170106
eCl@ss 7.0	19170106

## Approvals

### Approvals

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### Approvals

UL Listed / cUL Listed / cULus Listed

## Switch - FL SWITCH SFNT 6TX/2FX ST - 2891026

### Approvals

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Ex Approvals

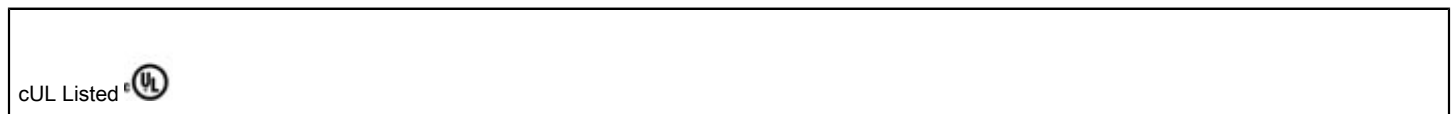
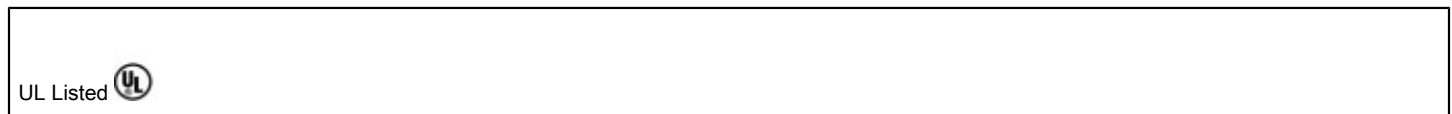
UL Listed / cUL Listed / cULus Listed

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Approvals submitted

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### Approval details



### Accessories

Accessories

Assembly

End clamp - E/NS 35 N - 0800886



End clamp, width: 9.5 mm, color: gray

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Cable/conductor

## Switch - FL SWITCH SFNT 6TX/2FX ST - 2891026

### Accessories

Patch cable - FL CAT5 PATCH 0,3 - 2832250



Patch cable, CAT5, assembled, 0.3 m

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Patch cable - FL CAT5 PATCH 0,5 - 2832263



Patch cable, CAT5, assembled, 0.5 m

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Patch cable - FL CAT5 PATCH 1,0 - 2832276



Patch cable, CAT5, assembled, 1.0 m

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Patch cable - FL CAT5 PATCH 1,5 - 2832221



Patch cable, CAT5, assembled, 1.5 m

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Patch cable - FL CAT5 PATCH 2,0 - 2832289



Patch cable, CAT5, assembled, 2.0 m

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## Switch - FL SWITCH SFNT 6TX/2FX ST - 2891026

### Accessories

Patch cable - FL CAT5 PATCH 3,0 - 2832292



Patch cable, CAT5, assembled, 3.0 m

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Patch cable - FL CAT5 PATCH 5,0 - 2832580



Patch cable, CAT5, assembled, 5.0 m

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Patch cable - FL CAT5 PATCH 7,5 - 2832616



Patch cable, CAT5, assembled, 7.5 m

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Patch cable - FL CAT5 PATCH 10,0 - 2832629



Patch cable, CAT5, assembled, 10.0 m

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Mounting plate - FL PA SFNT 5-8 - 2891012



Mounting plate for SFNT switches

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## Switch - FL SWITCH SFNT 6TX/2FX ST - 2891026

### Accessories

Dust protection - FL RJ45 PROTECT CAP - 2832991



Dust protection caps for RJ45 socket

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Security element - FL SEC PAC 4TX - 2832865

Layer1 security elements for four RJ45 network connections for use with patch boxes and panels

