

## FL SWITCH SFNT 14TX/2FX


Order No.: 2891954



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Wide temperature Ethernet switch, 14 TP RJ45 ports, automatic detection of data transmission speed of 10 or 100 Mbps (RJ45), autocrossing function. Two FO ports in SC format.

### Commercial data

GTIN (EAN)	
sales group	K000
Pack	1 pcs.
Customs tariff	85176200
Catalog page information	Page 319 (NTK-2010)

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### Product description

Standard function Ethernet switch with 14 RJ45 ports and 2 SC-D fiber optic ports for extreme environments (-40°C ... +75°C). Provides automatic detection of data transmission speed of 10 or 100 Mbps (RJ45), autocrossing function, 12 V DC ... 48 V DC input voltage, redundant power supply capable with remote alarming.

### Technical data

#### Interfaces

Interface	Ethernet (RJ45)
No. of ports	14 (RJ45 ports)
Type of connection	RJ45 female connector, auto negotiation and autocrossing
Transmission physics	Ethernet in RJ45 twisted pair

Transmission speed	10/100 MBit/s (RJ45)
Interface	Fiber optic interface
No. of ports	2 (FO port)
Type of connection	SC duplex
Transmission physics	Multimode glass fiber
Transmission speed	100 MBit/s (SC-D, full duplex)
Transmission length	12.1 km (glass fiber with F-G 62.5/125 0.7 dB/km F1000)

#### Function

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

#### 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	12 V DC ... 48 V DC
Typical current consumption	350 mA (at 24 V DC)
Max. current consumption	700 mA (at 12 V DC)

#### General data

Width	70 mm
Height	135 mm
Depth	110 mm
Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 75 °C
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)	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)
Housing material	Aluminum
Noise emission	EN 61000-6-4

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Noise immunity	EN 61000-6-2
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### Certificates / Approvals



Certification	CUL, UL
Certification Ex:	CUL-EX LIS, UL-EX LIS

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### Accessories

Item	Designation	Description
<b>Cable/conductor</b>		
2832250	FL CAT5 PATCH 0,3	Patch cable, CAT5, assembled, 0.3 m
2832263	FL CAT5 PATCH 0,5	Patch cable, CAT5, assembled, 0.5 m
2832276	FL CAT5 PATCH 1,0	Patch cable, CAT5, assembled, 1.0 m
2832221	FL CAT5 PATCH 1,5	Patch cable, CAT5, assembled, 1.5 m
2832629	FL CAT5 PATCH 10,0	Patch cable, CAT5, assembled, 10.0 m
2832289	FL CAT5 PATCH 2,0	Patch cable, CAT5, assembled, 2.0 m
2832292	FL CAT5 PATCH 3,0	Patch cable, CAT5, assembled, 3.0 m
2832580	FL CAT5 PATCH 5,0	Patch cable, CAT5, assembled, 5.0 m
2832616	FL CAT5 PATCH 7,5	Patch cable, CAT5, assembled, 7.5 m
<b>General</b>		
2832991	FL RJ45 PROTECT CAP	Dust protection caps for RJ45 female connector

**Address**

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