


# FL SWITCH SFNT 6TX/2FX

Order No.: 2891025



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Ethernet switch, 6 TP RJ45 ports, 2 FO ports, 100 Mbps full duplex in SC-D format, automatic detection of data transmission speed of 10 or 100 Mbps (RJ45), autocrossing function

Commercial data	
GTIN (EAN)	
Note	Made-to-order
sales group	K000
Pack	1 pcs.
Catalog page information	Page 89 (AX-2011)

**Product notes**

WEEE/RoHS-compliant since:  
11/17/2010



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Technical data	
<b>Interfaces</b>	
Interface 1	Ethernet (RJ45)
No. of ports	6 (RJ45 ports)
Connection method	RJ45 female connector, auto negotiation and autocrossing
Transmission physics	Ethernet in RJ45 twisted pair

Transmission speed	10/100 Mbps (RJ45)
Interface 2	Fiber optic interface
No. of ports	2 (FO port)
Connection method	SC-Duplex
Transmission physics	Multimode glass fiber
Transmission speed	100 Mbps (SC-D, full duplex)
Transmission length	12.1 km (glass fiber with F-G 62.5/125 0.7 dB/km F1000)
	3.3 km (glass fiber with F-G 62.5/125 2.6 dB/km F600)
	7.1 km (glass fiber with F-G 50/125 0.7 dB/km F1200)
	3.1 km (glass fiber with F-G 50/125 1.6 dB/km F800)
Wavelength	1300 nm

#### 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 <sub>S1</sub> , U <sub>S2</sub> (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 data

Width	50 mm
Height	130 mm
Depth	100 mm
Mounting type	DIN rail
Type AX	Block-oriented
Weight	484 g
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)
Housing material	Aluminum
Noise emission	EN 61000-6-4
Noise immunity	EN 61000-6-2

### 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>		
0800886	E/NS 35 N	End clamp, width: 9.5 mm, color: gray
2891012	FL PA SFNT 5-8	Mounting plate for SFNT switches
2832991	FL RJ45 PROTECT CAP	Dust protection caps for RJ45 female connector
2832865	FL SEC PAC 4TX	Layer1 security elements for four RJ45 network connections for use with patch boxes and panels

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