

Switch - FL SWITCH SFN 7TX/FX ST - 2891110

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Ethernet Switch, 7 TP RJ45 ports, 1 FO port, 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
- DC and AC power supplies
- RJ45 ports support a transmission speed of 10/100 Mbps; fiber optic ports support 100 Mbps
- Data flow control can be disabled to locate network device errors
- QoS-prioritized (Quality of Service) messages



Ethernet

Key commercial data

Packing unit	1
Minimum order quantity	100
Catalog page	Page 85 (AX-2011)
GTIN	 4 046356 100847
Custom tariff number	85176200
Country of origin	TAIWAN

Technical data

Interfaces

Interface 1	Ethernet (RJ45)
No. of ports	7 (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	1 (FO port)

Switch - FL SWITCH SFN 7TX/FX ST - 2891110

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Interfaces

Connection method	ST
Transmission physics	Multimode fiberglass
Transmission speed	100 MBit/s (ST, full duplex)
Transmission length	2000 m (Fiberglass 50/125)
Transmission length	2000 m (Fiberglass 62.5/125)
Wavelength	1300 nm/1310 nm

Function

Basic functions	Unmanaged switch / autonegotiation, complies with IEEE 802.3, store and forward switching mode
Status and diagnostic indicators	LEDs: U _S , link and activity per port

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
Residual ripple	3.6 V _{PP} (within the permitted voltage range)
Supply voltage range	9 V DC ... 30.2 V DC
Typical current consumption	typ. 190 mA

General data

Width	50 mm
Height	120 mm
Depth	70 mm
Mounting type	DIN rail
Type AX	Block design
Weight	365 g
Degree of protection	IP20
Ambient temperature (operation)	0 °C ... 60 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °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
Noise immunity	EN 61000-6-2:2005

Conformity with EMC directives

Developed in acc. with standard	IEC 61000-6.2
Test standard	IEC 61000-4-2 (ESD)
Test result	Criterion B

Switch - FL SWITCH SFN 7TX/FX ST - 2891110

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Conformity with EMC directives

Test standard	IEC 61000-4-3 (immunity to radiated interference)
Test result	Criterion A
Test standard	IEC 61000-4-4 (burst)
Test result	Criterion B
Test standard	IEC 61000-4-5 (surge)
Test result	Criterion B
Test standard	IEC 61000-4-6 (immunity to conducted interference)
Test result	Criterion A
Test standard	IEC 61000-4-8 (immunity to magnetic fields)
Test result	Criterion A
Test standard	EN 55022 (emitted interference)
Test result	Criterion A

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	43172015
UNSPSC 7.0901	43201404

eCl@ss

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

Approvals

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UL Recognized / cUL Recognized / cULus Recognized

Switch - FL SWITCH SFN 7TX/FX ST - 2891110


Approvals

Ex Approvals


UL Listed / cUL Listed / cULus Listed

Approvals submitted

Approval details

UL Recognized 

cUL Recognized 

cULus Recognized 

Accessories

Accessories

Cable/conductor

Patch cable - FL CAT5 PATCH 0,3 - 2832250



Patch cable, CAT5, assembled, 0.3 m

Patch cable - FL CAT5 PATCH 0,5 - 2832263



Patch cable, CAT5, assembled, 0.5 m

Switch - FL SWITCH SFN 7TX/FX ST - 2891110

Accessories

Patch cable - FL CAT5 PATCH 1,0 - 2832276



Patch cable, CAT5, assembled, 1.0 m

Patch cable - FL CAT5 PATCH 1,5 - 2832221



Patch cable, CAT5, assembled, 1.5 m

Patch cable - FL CAT5 PATCH 2,0 - 2832289



Patch cable, CAT5, assembled, 2.0 m

Patch cable - FL CAT5 PATCH 3,0 - 2832292



Patch cable, CAT5, assembled, 3.0 m

Patch cable - FL CAT5 PATCH 5,0 - 2832580



Patch cable, CAT5, assembled, 5.0 m

Patch cable - FL CAT5 PATCH 7,5 - 2832616



Patch cable, CAT5, assembled, 7.5 m

Switch - FL SWITCH SFN 7TX/FX ST - 2891110

Accessories

Patch cable - FL CAT5 PATCH 10,0 - 2832629



Patch cable, CAT5, assembled, 10.0 m

Dust protection - FL RJ45 PROTECT CAP - 2832991



Dust protection caps for RJ45 female connector

End clamp - E/NS 35 N - 0800886



End clamp, width: 9.5 mm, color: gray

Security element - FL SEC PAC 4TX - 2832865



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