

FL SWITCH SFNT 15TX/FX


Order No.: 2891953



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Wide temperature Ethernet switch, 15 TP RJ45 ports, automatic detection of data transmission speed of 10 or 100 Mbps (RJ45), autocrossing function. One FO port in SC format.

Ethernet

Commercial data	
GTIN (EAN)	
Note	Made-to-order
sales group	K000
Pack	1 pcs.
Customs tariff	85176200
Catalog page information	Page 87 (AX-2011)

Product notes

WEEE/RoHS-compliant since:
12/06/2009



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Product description

Standard function Ethernet switch with 15 RJ45 ports and 1 SC-D fiber optic port 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 1	Ethernet (RJ45)
No. of ports	15 (RJ45 ports)
Connection method	RJ45 female connector, auto negotiation and autocrossing
Transmission physics	Ethernet in RJ45 twisted pair
Transmission speed	10/100 Mbps (RJ45)
Transmission length	100 m (per segment)
Interface 2	Fiber optic interface
No. of ports	1 (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) 7.1 km (glass fiber with F-G 50/125 0.7 dB/km F1200)
Wavelength	1300 nm

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 _{PP} (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
Mounting type	DIN rail
Type AX	Block-oriented
Weight	870 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)	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

Conformity with EMC directives

Developed in acc. with standard	IEC 61000-6.2
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Certificates / Approvals



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

Accessories

Item	Designation	Description
Cable/conductor		
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

General

2832991	FL RJ45 PROTECT CAP	Dust protection caps for RJ45 female connector
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