

FL SWITCH SFNT 16TX

Order No.: 2891952



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High temperature Ethernet switch, 16 TP RJ45 ports, automatic detection of data transmission speed of 10/ 100 Mbps (RJ45), autocrossing function

Ethernet

Commercial data	
GTIN (EAN)	4 046356 551618
Note	Made-to-order
sales group	K000
Pack	1 pcs.
Customs tariff	85176200
Catalog page information	Page 86 (AX-2011)

Product notes

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



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Product description

Standard function Ethernet switch with 16 RJ45 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 1	Ethernet (RJ45)
No. of ports	16 (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)

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)

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Air pressure (operation)	62 kPa ... 108 kPa (up to 4160 m above mean sea level)
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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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Address

PHOENIX CONTACT Inc., USA
586 Fulling Mill Road
Middletown, PA 17057, USA
Phone (800) 888-7388
Fax (717) 944-1625
<http://www.phoenixcon.com>



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