

Industrial Ethernet Switch - FL SWITCH SFNT 8TX - 2891005

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Wide-temperature Ethernet switch, 8 TP RJ45 ports, automatic detection of data transmission speed of 10/100 Mbps (RJ45), autocrossing function, reads QoS priority messages, accepts security frames

Product Features

- Auto negotiation and autocrossing detection simplifies installation and setup
- Alarm contact for power supply and link status diagnostics
- Local diagnostic indicators with LEDs
- The switch also offers cable locking and port blocking
- QoS-prioritized (Quality of Service) messages
- Wide operating temperature range (-40°C ... +75°C)
- RJ45 ports support a transmission speed of 10/100 Mbps; fiber optic ports support 100 Mbps

Ethernet

Key commercial data

package_quantity	1
GTIN	4046356457200

Technical data

Dimensions

Width	50 mm
Height	130 mm
Depth	100 mm

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 75 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	5 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	5 % ... 95 % (non-condensing)
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)
Noise immunity	EN 61000-6-2

Interfaces

Interface 1	Ethernet (RJ45)
No. of ports	8 (RJ45 ports)

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Technical data

Interfaces

Connection method	RJ45
Note on connection method	Auto negotiation and autocrossing
Transmission physics	Ethernet in RJ45 twisted pair
Transmission speed	10/100 MBit/s

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 _{S1} , U _{S2} (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 _{PP} (within the permitted voltage range)
Supply voltage range	9 V DC ... 32 V DC
Typical current consumption	155 mA (@24 V DC)
Max. current consumption	490 mA (@9 V DC)

General

Mounting type	DIN rail
Type AX	Block design
Weight	460 g
Housing material	Aluminum
Noise emission	EN 61000-6-4

classifications

eCl@ss

eCl@ss 4.0	27250501
eCl@ss 4.1	27250501
eCl@ss 5.0	19030117
eCl@ss 5.1	19030117
eCl@ss 6.0	19170106
eCl@ss 7.0	19170106
eCl@ss 8.0	19170106

ETIM

ETIM 2.0	EC000734
ETIM 3.0	EC000734
ETIM 4.0	EC000734

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classifications

ETIM

ETIM 5.0	EC000734
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UNSPSC

UNSPSC 6.01	43172901
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201410
UNSPSC 13.2	43201410

approvals

UL Listed / cUL Listed / cULus Listed / LR / GL / BV / DNV / ABS / NK / GL-SW / BSH / UL Listed / cUL Listed / GL / cULus Listed /

Approval details

UL Listed

cUL Listed

cULus Listed

LR

GL

BV

DNV

ABS

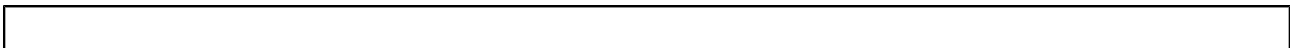
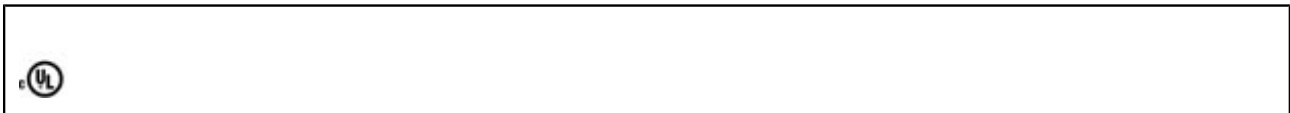
NK

GL-SW

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approvals

BSH



accessories

Assembly adapter

FL PA SFNT 5-8 - 2891012



Patch cable

FL CAT5 PATCH 0,3 - 2832250



FL CAT5 PATCH 0,5 - 2832263



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accessories

FL CAT5 PATCH 1,0 - 2832276



FL CAT5 PATCH 1,5 - 2832221



FL CAT5 PATCH 2,0 - 2832289



FL CAT5 PATCH 3,0 - 2832292



FL CAT5 PATCH 5,0 - 2832580



FL CAT5 PATCH 7,5 - 2832616



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accessories

FL CAT5 PATCH 10,0 - 2832629



Protective cap

FL RJ45 PROTECT CAP - 2832991



End block

E/NS 35 N - 0800886



Safety locking

FL SEC PAC 4TX - 2832865



Drawings

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