

## Switch - FL SWITCH SFN 8TX-24VAC - 2891020

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://download.phoenixcontact.com>)



Ethernet switch, 8 TP RJ45 ports, automatic detection of data transmission speed of 10/100 Mbps (RJ45), autocrossing function


### Product Features

- Auto negotiation and autocrossing detection simplifies installation and setup
- Local diagnostic indicators with LEDs
- The switch also offers cable locking and port blocking
- Data flow control can be disabled to locate network device errors
- QoS-prioritized (Quality of Service) messages
- DC and AC power supplies
- RJ45 ports support a transmission speed of 10/100 Mbps; fiber optic ports support 100 Mbps



### Ethernet

### Key commercial data

Packing unit	1
Minimum order quantity	500
Catalog page	Page 85 (AX-2011)
GTIN	 4 046356 457149
Custom tariff number	85176200
Country of origin	TAIWAN

### Technical data

#### Interfaces

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

#### Function

# Switch - FL SWITCH SFN 8TX-24VAC - 2891020

## Technical data

### Function

Basic functions	Unmanaged switch / autonegotiation, complies with IEEE 802.3, store and forward switching mode
Status and diagnostic indicators	LEDs: U <sub>S1</sub> , 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 AC
Residual ripple	3.6 V <sub>pp</sub> (within the permitted voltage range)
Supply voltage range	20 V AC ... 28 V AC
Typical current consumption	typ. 189 mA

### General data

Width	50 mm
Height	120 mm
Depth	70 mm
Mounting type	DIN rail
Type AX	Block design
Weight	340 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

## 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

# Switch - FL SWITCH SFN 8TX-24VAC - 2891020

## Classifications

### UNSPSC

UNSPSC 13.2	43201410
UNSPSC 6.01	43172901
UNSPSC 7.0901	43201404

### 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

## Approvals

### Approvals

---

#### Approvals

UL Recognized / cUL Recognized / cULus Recognized

---

#### Ex Approvals

UL Listed / cUL Listed / cULus Listed

---

#### Approvals submitted

---

### Approval details

UL Recognized
---------------

cUL Recognized
----------------

cULus Recognized
------------------

## Accessories

### Accessories

## Switch - FL SWITCH SFN 8TX-24VAC - 2891020

### 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

---

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

---

## Switch - FL SWITCH SFN 8TX-24VAC - 2891020

### Accessories

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

---

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

---

## Switch - FL SWITCH SFN 8TX-24VAC - 2891020

### Accessories

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



© Phoenix Contact 2012 - all rights reserved  
<http://www.phoenixcontact.com>