

Switch - FL SWITCH SFNB 4TX/FX - 2891027

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, 4 TP RJ45 ports, 1 FO port, 100 Mbps full duplex in SC-D format, automatic detection of data transmission speed of 10 or 100 Mbps (RJ45), autocrossing function

Product Features

- Multi-mode and single-mode fiberglass connections are available for larger distances
- Auto negotiation and autocrossing detection simplifies installation and setup
- Security options with cable locking
- Local diagnostic indicators with LEDs
- RJ45 ports support a transmission speed of 10/100 Mbps; fiber optic ports support 100 Mbps

Ethernet

Key commercial data

| | |
|------------------|---------------|
| package_quantity | 1 |
| GTIN | 4046356588089 |

Technical data

Dimensions

| | |
|--------|--------|
| Width | 28 mm |
| Height | 110 mm |
| Depth | 70 mm |

Ambient conditions

| | |
|--|--|
| Degree of protection | IP20 |
| Ambient temperature (operation) | 0 °C ... 60 °C |
| Ambient temperature (storage/transport) | -20 °C ... 85 °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) |
| Noise immunity | EN 61000-6-2 |

Interfaces

| | |
|---------------------------|-----------------------------------|
| Interface 1 | Ethernet (RJ45) |
| No. of ports | 4 (RJ45 ports) |
| Connection method | RJ45 |
| Note on connection method | Auto negotiation and autocrossing |

Switch - FL SWITCH SFNB 4TX/FX - 2891027

Technical data

Interfaces

| | |
|-----------------------------|--|
| Transmission physics | Ethernet in RJ45 twisted pair |
| Transmission speed | 10/100 MBit/s |
| No. of ports | 1 (FO port) |
| Connection method | SC |
| Transmission physics | Multimode fiberglass |
| Transmission speed | 100 MBit/s (SC-D, full duplex) |
| Transmission length | 12.1 km (fiberglass with F-G 62.5/125 0.7 dB/km F1000) |

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 | 12 V DC ... 48 V DC |
| Typical current consumption | 185 mA (@24 V DC) |

General

| | |
|-------------------------|--------------|
| Mounting type | DIN rail |
| Type AX | Block design |
| Weight | 205 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 |

Switch - FL SWITCH SFNB 4TX/FX - 2891027

classifications

ETIM

| | |
|-----------------|----------|
| ETIM 5.0 | EC000734 |
|-----------------|----------|

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 / UL Listed / cUL Listed / cULus Listed /

Approval details

UL Listed

cUL Listed

cULus Listed

accessories

Patch cable

Switch - FL SWITCH SFNB 4TX/FX - 2891027

accessories

FL CAT5 PATCH 0,3 - 2832250



FL CAT5 PATCH 0,5 - 2832263



FL CAT5 PATCH 1,0 - 2832276



FL CAT5 PATCH 1,5 - 2832221



FL CAT5 PATCH 2,0 - 2832289



FL CAT5 PATCH 3,0 - 2832292



Switch - FL SWITCH SFNB 4TX/FX - 2891027

accessories

FL CAT5 PATCH 5,0 - 2832580



FL CAT5 PATCH 7,5 - 2832616



FL CAT5 PATCH 10,0 - 2832629



Protective cap

FL RJ45 PROTECT CAP - 2832991



End block

E/NS 35 N - 0800886



Drawings

