**Extract from the online catalog**

# FL SWITCH SF 6TX/2FX

Order No.: 2832933



http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2832933

Ethernet Switch, 6 TP RJ45 ports, 2 FO ports, 100 Mbps full duplex in SC-D format, automatic detection of data transmission speed of 10 or 100 Mbps (RJ45), autocrossing function

| Commercial data | |
|---|---|
| GTIN (EAN) | 4 017918 952242 |
| sales group | K000 |
| Pack | 1 pcs. |
| Customs tariff | 85176200 |
| Catalog page information | Page 199 (AX-2009) |

Product notes

WEEE/RoHS-compliant since: 05/08/2008

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## Technical data

### Interfaces

| | |
|---|---|
| Interface | Ethernet (RJ45) |
| No. of ports | 6 (RJ45 ports) |
| Type of connection | RJ45 female connector, auto negotiation and autocrossing |

| | |
|---|---|
| Transmission physics | Ethernet in RJ45 twisted pair |
| Transmission speed | 10/100 MBit/s (RJ45) |
| Transmission length | 100 m (per segment) |
| Signal LEDs | Data receive, link status |
| Interface | Fiber optic interface |
| No. of ports | 2 (FO ports) |
| Type of connection | SC duplex |
| Transmission physics | Multimode glass fiber |
| Transmission speed | 100 MBit/s (SC-D, full duplex) |
| Transmission length | 6400 m (glass fiber with F-G 50/125 0.7 dB/km F1200) |
| | 6400 m |
| Interface | Potential-free signaling contact |
| Type of connection | Plug-in/screw connection via COMBICON |

**Function**

| | |
|---|---|
| Basic functions | Unmanaged switch / autonegotiation, complies with IEEE 802.3, store and forward switching mode |
| Status and diagnostic indicators | LEDs: $U_{S1}$, $U_{S2}$ (redundant voltage supply), 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 | 18.5 V DC ... 30.2 V DC |
| Typical current consumption | Typ. 240 mA |
| Max. current consumption | Typ. |

**General data**

| | |
|---|---|
| Weight | 260 g |
| Width | 135 mm |
| Height | 115.3 mm |
| Depth | 30 mm |
| Degree of protection | IP20 |
| Ambient temperature (operation) | 0 °C ... 55 °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 |

**Conformity with EMC directives**

| | |
|---|---|
| Developed in acc. with standard | IEC 61000-6.2 |
| Test standard | IEC 61000-4-2 (ESD) |
| Test result | Criterion B |
| Test standard | IEC 61000-4-3 (immunity to radiated interference) |
| Test result | Criterion A |
| Test standard | IEC 61000-4-4 (burst) |
| Test result | Criterion B |
| Test standard | IEC 61000-4-5 (surge) |
| Test result | Criterion B |
| Test standard | IEC 61000-4-6 (immunity to conducted interference) |
| Test result | Criterion A |
| Test standard | IEC 61000-4-8 (immunity to magnetic fields) |
| Test result | Criterion A |
| Test standard | EN 55022 (emitted interference) |
| Test result | Criterion A |

## Certificates / Approvals

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

## Accessories

| Item | Designation | Description |
|---|---|---|
| **Cable/conductor** | | |
| 2744830 | FL CAT5 FLEX | CAT5-SF/UTP cable (J-LI02YS(ST)C H 2 x 2 x 26 AWG), light-duty, flexible installation cable 2 x 2 x 0.14 mm², stranded, shielded, outer sheath: 5.75 mm ± 0.15 mm diameter |
| 2744814 | FL CAT5 HEAVY | CAT5-SF/UTP cable (J-02YS(ST)C HP 2 x 2 x 24 AWG), heavy-duty installation cable, 2 x 2 x 0.22 mm², solid conductor, shielded, outer sheath: 7.8 mm diameter, inner sheath: 5.75 mm ± 0.15 mm diameter |
| 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** | | |
| 0800886 | E/NS 35 N | End clamp, width: 9.5 mm, color: gray |
| 2832991 | FL RJ45 PROTECT CAP | Dust protection caps for RJ45 female connector |
| **Plug/Adapter** | | |
| 2744571 | FL PLUG RJ45 GN/2 | RJ45 connector, shielded, with bend protection sleeve, 2 pieces, green for crossed cables, for assembly on site. For connections that are crossed, it is recommended that the connector set with green bend protection sleeves is used. |
| 2744856 | FL PLUG RJ45 GR/2 | RJ45 connector, shielded, with bend protection sleeve, 2 pieces, gray for straight cables, for assembly on site. For connections that are not crossed, it is recommended that you use the connector set with gray bend protection sleeve. |
| **Tools** | | |
| 2744869 | FL CRIMPTOOL | Crimping pliers, for assembling the RJ45 connectors FL PLUG RJ45..., for assembly on site |
| 2744869 | FL CRIMPTOOL | Crimping pliers, for assembling the RJ45 connectors FL PLUG RJ45..., for assembly on site |

## Address

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