


# FL SWITCH SF 7TX/FX

Order No.: 2832726




<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2832726>

Ethernet Switch, 7 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

| Commercial data          |   |
|--------------------------|---|
| GTIN (EAN)               | <br>4 017918 952228 |
| 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



<http://www.download.phoenixcontact.com>  
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

| Technical data     |  |
|--------------------|--|
| <b>Interfaces</b>  |  |
| Interface          | Ethernet (RJ45)  |
| No. of ports       | 7 (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                             | 1 (FO port)  |
| 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)   |
| Interface                                | Potential-free signaling contact   |
| Type of connection                       | Plug-in/screw connection via COMBICON  |
| <b>Function</b>                          |  |
| Basic functions                          | Unmanaged switch / autonegotiation, complies with IEEE 802.3, store and forward switching mode |
| Status and diagnostic indicators         | LEDs: U <sub>S1</sub> , U <sub>S2</sub> (redundant voltage supply), link and activity per port |
| <b>Network expansion parameters</b>      |  |
| Cascading depth                          | Network, linear, and star structure: any   |
| Maximum conductor length ((twisted pair) | 100 m  |
| <b>Supply voltage</b>                    |  |
| Supply voltage                           | 24 V DC  |
| Residual ripple                          | 3.6 V <sub>PP</sub> (within the permitted voltage range)                                       |
| Supply voltage range                     | 18.5 V DC ... 30.2 V DC  |
| Typical current consumption              | Typ. 220 mA  |
| Max. current consumption                 | Typ.   |
| <b>General data</b>                      |  |
| 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 A  |
| Test standard                   | IEC 61000-4-5 (surge)                              |
| Test result                     | Criterion A  |
| 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



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

### Accessories

| Item                   | Designation         | Description   |
|------------------------|---------------------|---|
| <b>Cable/conductor</b> |                     |   |
| 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 mm <sup>2</sup> , 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 mm <sup>2</sup> , 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   |
| <b>General</b>         |                     |   |
| 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  |
| <b>Plug/Adapter</b>    |                     |   |
| 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. |
| <b>Tools</b>           |                     |   |
| 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**

PHOENIX CONTACT Deutschland GmbH  
Flachsmarktstr. 8  
32825 Blomberg, Germany  
Phone +49 5235 3 12000  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.de>



© 2011 Phoenix Contact  
Technical modifications reserved;