


FL SWITCH SF 7TX/FX ST

Order No.: 2832577



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2832577>

Ethernet Switch, 7 TP RJ45 ports, 1 FO port, 100 Mbps full duplex in ST-D format, automatic detection of data transmission speed of 10 or 100 Mbps (RJ45), autocrossing function

| Commercial data | |
|--------------------------|---|
| GTIN (EAN) | 4  046356 044073 |
| sales group | K000 |
| Pack | 1 pcs. |
| Customs tariff | 85176200 |
| Catalog page information | Page 199 (AX-2009) |

Product notes

WEEE/RoHS-compliant since:
01/03/2009



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Technical data

| Interfaces | |
|----------------------|--|
| 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 | ST format |
| Transmission physics | Multimode glass fiber |
| Transmission speed | 100 MBit/s (ST, full duplex) |
| Transmission length | 2000 m (Glass fiber 50/125) |
| Interface | Potential-free signaling contact |
| Type of connection | Plug-in/screw connection via COMBICON |

Function

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|----------------------------------|--|
| 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

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|-----------------------------|--|
| 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. 220 mA |

General data

| | |
|--|---------------------------------|
| Weight | 140 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) | 30 % ... 95 % (no condensation) |
| Permissible humidity (storage/transport) | 30 % ... 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 |
|------------------------|---------------------|---|
| Cable/conductor | | |
| 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 |
| 2832865 | FL SEC PAC 4TX | Layer1 security elements for four RJ45 network connections for use with patch boxes and panels |
| 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. |
| Software | | |
| 2832166 | FL SNMP OPC SERVER | SNMP-OPC server, German and English, for monitoring and configuration of SNMP-capable equipment in HMI and SCADA systems |
| 2831044 | FL SWT | Factory Manager, multilingual, configuration and diagnostics software for ETHERNET networks in automation |
| Tools | | |
| 2744869 | FL CRIMPTOOL | Crimping pliers, for assembling the RJ45 connectors FL PLUG RJ45..., for assembly on site |

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