

FL SWITCH SFNT 7TX/FX

Order No.: 2891006




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

Ethernet

<http://www.download.phoenixcontact.com>
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Commercial data

| | |
|--------------------------|--|
| GTIN (EAN) |  4 046356 457217 |
| sales group | K000 |
| Pack | 1 pcs. |
| Customs tariff | 85176200 |
| Catalog page information | Page 89 (AX-2011) |

Technical data

Interfaces

| | |
|----------------------|--|
| Interface 1 | Ethernet (RJ45) |
| No. of ports | 7 (RJ45 ports) |
| Connection method | RJ45 female connector, auto negotiation and autocrossing |
| Transmission physics | Ethernet in RJ45 twisted pair |
| Transmission speed | 10/100 Mbps (RJ45) |
| Interface 2 | Fiber optic interface |
| No. of ports | 1 (FO port) |
| Connection method | SC-Duplex |

| | |
|----------------------|---|
| Transmission physics | Multimode glass fiber |
| Transmission speed | 100 Mbps (SC-D, full duplex) |
| Transmission length | 12.1 km (glass fiber with F-G 62.5/125 0.7 dB/km F1000) |
| | 3.3 km (glass fiber with F-G 62.5/125 2.6 dB/km F600) |
| | 7.1 km (glass fiber with F-G 50/125 0.7 dB/km F1200) |
| | 3.1 km (glass fiber with F-G 50/125 1.6 dB/km F800) |
| Wavelength | 1300 nm |

Function

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|----------------------------------|--|
| Basic functions | Unmanaged switch / autonegotiation, complies with IEEE 802.3, store and forward switching mode, includes QoS and alarm contact |
| Status and diagnostic indicators | LEDs: U_{S1} , U_{S2} (redundant voltage supply), link and activity per port, alarm (power and link down) |

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 (redundant) |
| Residual ripple | 3.6 V _{PP} (within the permitted voltage range) |
| Supply voltage range | 9 V DC ... 32 V DC |
| Typical current consumption | 180 mA (@24 V DC) |
| Max. current consumption | 565 mA (@9 V DC) |

General data

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|--|--------------------------------|
| Width | 50 mm |
| Height | 130 mm |
| Depth | 100 mm |
| Mounting type | DIN rail |
| Type AX | Block-oriented |
| Weight | 470 g |
| Degree of protection | IP20 |
| Ambient temperature (operation) | -40 °C ... 75 °C |
| Ambient temperature (storage/transport) | -40 °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) |
| Housing material | Aluminum |
| Noise emission | EN 61000-6-4 |
| Noise immunity | EN 61000-6-2 |

Certificates / Approvals



Certification: ABS, BV, CUL, DNV, GL, LR, NK, 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 |
| 2891012 | FL PA SFNT 5-8 | Mounting plate for SFNT switches |
| 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 |

Address

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