



Automatización Eléctrica
Especialistas en Automatización

At the end of this document you will find links to products related to this catalog. You can go directly to our shop by clicking [HERE](#). [HERE](#)

Industrial Ethernet Switch - FL SWITCH SFNT 15TX/FX - 2891953

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://phoenixcontact.com/download>)



Wide temperature Ethernet switch, 15 TP RJ45 ports, automatic detection of data transmission speed of 10 or 100 Mbps (RJ45), autocrossing function. One FO port in SC format.

Product Description

Standard function Ethernet switch with 15 RJ45 ports and 1 SC-D fiber optic port for extreme environments (-40°C ... +75°C). Provides automatic detection of data transmission speed of 10 or 100 Mbps (RJ45), autocrossing function, 12 V DC ... 48 V DC input voltage, redundant power supply capable with remote alarming.

Why buy this product

- Devices are available for standard temperature range (0°C ... +60°C) and wide temperature range (-40°C ... +75°C)
- 16 ports in narrow metal housing with redundant input voltage
- 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

| | |
|--------------|---|
| Packing unit | 1 STK |
| GTIN |  4 046356 551625 |

Technical data

Dimensions

| | |
|--------|--------|
| Width | 70 mm |
| Height | 135 mm |
| Depth | 110 mm |

Ambient conditions

| | |
|--|--|
| Degree of protection | IP20 |
| Ambient temperature (operation) | -40 °C ... 75 °C |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C |
| Permissible humidity (operation) | 5 % ... 95 % (non-condensing) |
| Permissible humidity (storage/transport) | 5 % ... 95 % (non-condensing) |
| Air pressure (operation) | 62 kPa ... 108 kPa (up to 4160 m above mean sea level) |

Industrial Ethernet Switch - FL SWITCH SFNT 15TX/FX - 2891953

Technical data

Ambient conditions

| | |
|----------------------------------|--|
| Air pressure (storage/transport) | 62 kPa ... 108 kPa (up to 4160 m above mean sea level) |
|----------------------------------|--|

Interfaces

| | |
|---------------------------|--|
| Interface 1 | Ethernet (RJ45) |
| No. of ports | 15 (RJ45 ports) |
| Connection method | RJ45 |
| Note on connection method | Auto negotiation and autocrossing |
| Transmission physics | Ethernet in RJ45 twisted pair |
| Transmission speed | 10/100 MBit/s |
| Transmission length | 100 m (per segment) |
| Interface 2 | Fiber optic interface |
| No. of ports | 1 (SC multi-mode) |
| Connection method | SC |
| Transmission physics | multi-mode fiberglass |
| Transmission speed | 100 MBit/s (full duplex) |
| Transmission length | 12.1 km (fiberglass with F-G 62.5/125 0.7 dB/km F1000) |
| | 7.1 km (fiberglass with F-G 50/125 0.7 dB/km F1200) |
| Wavelength | 1300 nm |

Function

| | |
|----------------------------------|--|
| Basic functions | Unmanaged switch / auto negotiation, complies with IEEE 802.3, store-and-forward switching mode, includes alarm contacts |
| Status and diagnostic indicators | LEDs: U _{S1} , U _{S2} (redundant voltage supply), link and activity per port, voltage alarm |

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 (redundant) |
| Residual ripple | 3.6 V _{PP} (within the permitted voltage range) |
| Supply voltage range | 12 V DC ... 48 V DC |
| Typical current consumption | 350 mA (at U _S = 24 V DC) |
| Max. current consumption | 700 mA (at 12 V DC) |

General

| | |
|------------------|--------------|
| Mounting type | DIN rail |
| Type AX | Block design |
| Net weight | 870 g |
| Housing material | Aluminum |

Standards and Regulations

| | |
|---------------------------------|--|
| Electromagnetic compatibility | Conformance with EMC Directive 2004/108/EC |
| Developed in acc. with standard | IEC 61000-6.2 |

Industrial Ethernet Switch - FL SWITCH SFNT 15TX/FX - 2891953

Technical data

Standards and Regulations

| | |
|-----------------------|--|
| Test section | 500 V DC 1 min. |
| Shock | 25g, in accordance with IEC 60068-2-27 |
| Noise emission | EN 61000-6-4 |
| Noise immunity | EN 61000-6-2 |
| Vibration (operation) | In acc. with IEC 60068-2-6: 5g, 150 Hz |

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 24010504 |
| eCl@ss 4.1 | 24010504 |
| 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 3.0 | EC000734 |
| ETIM 4.0 | EC000734 |
| 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

Approvals

Approvals

UL Listed / cUL Listed / EAC / cULus Listed

Ex Approvals

UL Listed / cUL Listed / cULus Listed

Approvals submitted

Industrial Ethernet Switch - FL SWITCH SFNT 15TX/FX - 2891953

Approvals

Approval details

UL Listed 

cUL Listed 

EAC

cULus Listed 

Phoenix Contact 2016 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>



Below is a list of articles with direct links to our shop Electric Automation Network where you can see:

- Quote per purchase volume in real time.
- Online documentation and datasheets of all products.
- Estimated delivery time enquiry in real time.
- Logistics systems for the shipment of materials almost anywhere in the world.
- Purchasing management, order record and tracking of shipments.

To access the product, [click on the green button.](#)

| Product | Code | Reference | Product link |
|---|---------|---------------------------|----------------------------|
| Wide temperature Ethernet switch, 15 TP RJ45 ports, automatic detection of data transmission speed of 10 or 100 Mbps (RJ45), autocrossing function. One FO port in SC format. | 2891953 | FL SWITCH SFNT 15TX/FX | Buy on EAN |