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Extract from the online catalog


## FL SWITCH SFN 6GT/2LX

Order No.: 2891987



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2891987>

Ethernet switch, 6 RJ45 ports, 10/100/1000 Mbps on all RJ45 ports, 2 single-mode SC-D ports with high range, 1 Gbps full duplex, autonegotiation (RJ45), autocrossing function, with signal contact and QoS, extended temperature range

| Commercial data          |  |
|--------------------------|--|
| GTIN (EAN)               | <br>4 046356 101202 |
| sales group              | K000   |
| Pack                     | 1 pcs.   |
| Customs tariff           | 85176200   |
| Catalog page information | Page 193 (AX-2009)   |

### Product notes

WEEE/RoHS-compliant since:  
07/17/2008



<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

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

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|  |  |
|--|--|
| Transmission physics                     | Ethernet in RJ45 twisted pair  |
| Transmission speed                       | 10/100/1000 MBit/s (RJ45)  |
| Interface                                | Fiber optic interface  |
| No. of ports                             | 2 (FO ports)   |
| Type of connection                       | SC duplex  |
| Transmission physics                     | Single mode glass fiber  |
| Transmission speed                       | 1000 MBit/s (SC-D, full duplex)  |
| Transmission length                      | 10000 m (Glass fiber 9/125)  |
|  | (Glass fiber 9/125)  |
| 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 (redundant)  |
| Residual ripple                          | 3.6 V <sub>PP</sub> (within the permitted voltage range)                                       |
| Supply voltage range                     | 9 V DC ... 30.2 V DC   |
| Typical current consumption              | Typ. 360 mA  |
| <b>General data</b>                      |  |
| Weight                                   | 435 g  |
| Width                                    | 50 mm  |
| Height                                   | 120 mm   |
| Depth                                    | 70 mm  |
| Degree of protection                     | IP20   |
| Ambient temperature (operation)          | -25 °C ... 60 °C (75 °C in preparation)  |
| Ambient temperature (storage/transport)  | -35 °C ... 85 °C   |
| Permissible humidity (operation)         | 5 % ... 95 % (no condensation)   |
| Permissible humidity (storage/transport) | 5 % ... 95 % (no condensation)   |

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

### Certificates / Approvals



Certification CUL, UL

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

### Accessories

| Item                   | Designation         | Description  |
|------------------------|---------------------|--|
| <b>Cable/conductor</b> |                     |  |
| 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   |
| 2832865                | FL SEC PAC 4TX      | Layer1 security elements for four RJ45 network connections for use with patch boxes and panels |

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