

# FL SWITCH SFN 6GT/2LX


Order No.: 2891987



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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

## Ethernet

| Commercial data          |  |
|--------------------------|--|
| GTIN (EAN)               | <br>4 046356 101202 |
| sales group              | K000   |
| Pack                     | 1 pcs.   |
| Customs tariff           | 85176200   |
| Catalog page information | Page 91 (AX-2011)  |

## Product notes

WEEE/RoHS-compliant since:  
01/12/2007



<http://www.download.phoenixcontact.com>  
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| Technical data    |  |
|-------------------|--|
| <b>Interfaces</b> |  |
| Interface 1       | Ethernet (RJ45)  |
| No. of ports      | 6 (RJ45 ports)   |
| Connection method | RJ45 female connector, auto negotiation and autocrossing |

|                      |                                       |
|----------------------|---------------------------------------|
| Transmission physics | Ethernet in RJ45 twisted pair         |
| Transmission speed   | 10/100/1000 MBit/s (RJ45)             |
| Interface 2          | Fiber optic interface                 |
| No. of ports         | 2 (FO ports)                          |
| Connection method    | 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)           |
| Wavelength           | 1310 nm                               |
| Interface 3          | Potential-free signaling contact      |
| Connection method    | Plug-in/screw connection via COMBICON |

#### Function

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

#### 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 <sub>PP</sub> (within the permitted voltage range) |
| Supply voltage range        | 9 V DC ... 30.2 V DC                                     |
| Typical current consumption | Typ. 360 mA  |

#### General data

|   |   |
|---|---|
| Width                                   | 50 mm                                   |
| Height                                  | 120 mm                                  |
| Depth                                   | 70 mm                                   |
| Mounting type                           | DIN rail                                |
| Type AX                                 | Block-oriented                          |
| Weight                                  | 435 g                                   |
| 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)                         |
| 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 |

**Address**

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