



# FL SWITCH SFN 6GT/2SX

Order No.: 2891398



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

Commercial data		Product notes
GTIN (EAN)		WEEE/RoHS-compliant since: 02/05/2008 
sales group	K000	<a href="http://www.download.phoenixcontact.com">http://www.download.phoenixcontact.com</a> 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.
Pack	1 pcs.	
Customs tariff	85176200	
Catalog page information	Page 193 (AX-2009)	

Technical data	
<b>Interfaces</b>	
Interface	Ethernet (RJ45)
No. of ports	6 (RJ45 ports)
Type of connection	RJ45 female connector, auto negotiation and autocrossing

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	Multimode glass fiber
Transmission speed	1000 MBit/s (SC-D, full duplex)
Transmission length	220 m (Glass fiber 62.5/125)
	550 m (Glass fiber 50/125)
Interface	Potential-free signaling contact
Type of connection	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: $U_{S1}$ , $U_{S2}$ (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

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. 350 mA

#### General data

Weight	425 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)

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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