

# Industrial Ethernet Switch - FL SWITCH SFN 6GT/2SX - 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

## Product Features

- Auto negotiation and autocrossing detection simplifies installation and setup
- Local diagnostic indicators with LEDs
- Relay contact for alarm processing of voltage states
- The switch also offers cable locking and port blocking
- All ports offer transmission speeds of 1000 Mbps

## Ethernet

### Key commercial data

package_quantity	1
GTIN	4046356101196

## Technical data

### Dimensions

Width	50 mm
Height	120 mm
Depth	70 mm

### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 75 °C
Ambient temperature (storage/transport)	-35 °C ... 85 °C
Permissible humidity (operation)	5 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	5 % ... 95 % (non-condensing)
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)
Noise immunity	EN 61000-6-2:2005

### Interfaces

Interface 1	Ethernet (RJ45)
No. of ports	6 (RJ45 ports)
Connection method	RJ45
Note on connection method	Auto negotiation and autocrossing

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## Technical data

### Interfaces

<b>Transmission physics</b>	Ethernet in RJ45 twisted pair
<b>Transmission speed</b>	10/100/1000 MBit/s
<b>Interface 2</b>	Fiber optic interface
<b>No. of ports</b>	2 (FO ports)
<b>Connection method</b>	SC
<b>Transmission physics</b>	multi-mode fiberglass
<b>Transmission speed</b>	1000 MBit/s (SC-D, full duplex)
<b>Transmission length</b>	220 m (Fiberglass 62.5/125)
<b>Transmission length</b>	550 m (Fiberglass 50/125)
<b>Wavelength</b>	850 nm
<b>Interface 4</b>	Potential-free signaling contact
<b>Connection method</b>	Plug-in/screw connection via COMBICON

### Function

<b>Basic functions</b>	Unmanaged switch / autonegotiation, complies with IEEE 802.3, store and forward switching mode
<b>Status and diagnostic indicators</b>	LEDs: U <sub>S1</sub> , U <sub>S2</sub> (redundant voltage supply), link and activity per port
<b>Signal contact control voltage</b>	Monitoring of the redundant supply voltage

### Network expansion parameters

<b>Cascading depth</b>	Network, linear, and star structure: any
<b>Maximum conductor length (twisted pair)</b>	100 m

### Supply voltage

<b>Supply voltage</b>	24 V DC (redundant)
<b>Residual ripple</b>	3.6 V <sub>PP</sub> (within the permitted voltage range)
<b>Supply voltage range</b>	9 V DC ... 30.2 V DC
<b>Typical current consumption</b>	typ. 350 mA

### General

<b>Mounting type</b>	DIN rail
<b>Type AX</b>	Block design
<b>Weight</b>	425 g
<b>Housing material</b>	Aluminum
<b>Noise emission</b>	EN 61000-6-4

## classifications

### eCl@ss

<b>eCl@ss 4.0</b>	27250501
<b>eCl@ss 4.1</b>	27250501
<b>eCl@ss 5.0</b>	27250501
<b>eCl@ss 5.1</b>	27250501

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## classifications

### eCl@ss

eCl@ss 6.0	19170106
eCl@ss 7.0	19170106
eCl@ss 8.0	19170106

### ETIM

ETIM 2.0	EC000734
ETIM 3.0	EC000734
ETIM 4.0	EC000734
ETIM 5.0	EC000734

### UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201410
UNSPSC 13.2	43201410

## approvals

UL Listed / cUL Listed / cULus Listed / UL Listed / cUL Listed / cULus Listed /

### Approval details

UL Listed

cUL Listed

cULus Listed

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approvals



accessories

## Patch cable

FL CAT5 PATCH 0,3 - 2832250



FL CAT5 PATCH 0,5 - 2832263



FL CAT5 PATCH 1,0 - 2832276



FL CAT5 PATCH 1,5 - 2832221



FL CAT5 PATCH 2,0 - 2832289



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## accessories

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FL CAT5 PATCH 3,0 - 2832292



FL CAT5 PATCH 5,0 - 2832580



FL CAT5 PATCH 7,5 - 2832616



FL CAT5 PATCH 10,0 - 2832629



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## Protective cap

FL RJ45 PROTECT CAP - 2832991



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## End block

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accessories

E/NS 35 N - 0800886



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## Safety locking

FL SEC PAC 4TX - 2832865



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## Drawings

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