

## Switch - FL SWITCH SFN 8GT - 2891673

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://download.phoenixcontact.com>)



Ethernet switch, eight TP-RJ45 ports with 10/100/1000 Mbps on all ports, automatic detection of data transmission speed of 10/100/1000 Mbps (RJ45), autocrossing function, with signaling contact and QoS, extended temperature range

### Product Features

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



### Key commercial data

|                                      |           |
|--------------------------------------|-----------|
| Packing unit                         | 1 pc      |
| Weight per Piece (excluding packing) | 539.2 GRM |
| Custom tariff number                 | 85176200  |
| Country of origin                    | Taiwan    |

### 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 % (no condensation) |
| Permissible humidity (storage/transport) | 5 % ... 95 % (no condensation) |

# Switch - FL SWITCH SFN 8GT - 2891673

## Technical data

### Ambient conditions

|                                  |  |
|----------------------------------|--|
| 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              | 8 (RJ45 ports)                        |
| Connection method         | RJ45                                  |
| Note on connection method | Auto negotiation and autocrossing     |
| Transmission physics      | Ethernet in RJ45 twisted pair         |
| Transmission speed        | 10/100/1000 MBit/s                    |
| Interface 4               | 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 |
| Signal contact                   | <p></p>  |

### 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. 430 mA  |

### General

|                  |              |
|------------------|--------------|
| Mounting type    | DIN rail     |
| Type AX          | Block design |
| Weight           | 395 g        |
| Housing material | Aluminum     |
| Noise emission   | EN 61000-6-4 |

## Switch - FL SWITCH SFN 8GT - 2891673

### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27250501 |
| eCl@ss 4.1 | 27250501 |
| eCl@ss 5.0 | 27250501 |
| eCl@ss 5.1 | 27250501 |
| 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

#### Approvals

---

##### Approvals

UL Listed / cUL Listed / cULus Listed

---

##### Ex Approvals

UL Listed / cUL Listed / cULus Listed

---

Approvals submitted

---

#### Approval details

## Switch - FL SWITCH SFN 8GT - 2891673

### Approvals

UL Listed 

cUL Listed 

cULus Listed 

### Accessories

#### Accessories

##### End block

End clamp - E/NS 35 N - 0800886



End clamp, width: 9.5 mm, color: gray

##### Patch cable

Patch cable - FL CAT5 PATCH 0,3 - 2832250



Patch cable, CAT5, assembled, 0.3 m

Patch cable - FL CAT5 PATCH 0,5 - 2832263



Patch cable, CAT5, assembled, 0.5 m

## Switch - FL SWITCH SFN 8GT - 2891673

### Accessories

Patch cable - FL CAT5 PATCH 1,0 - 2832276



Patch cable, CAT5, assembled, 1.0 m

---

Patch cable - FL CAT5 PATCH 1,5 - 2832221



Patch cable, CAT5, assembled, 1.5 m

---

Patch cable - FL CAT5 PATCH 2,0 - 2832289



Patch cable, CAT5, assembled, 2.0 m

---

Patch cable - FL CAT5 PATCH 3,0 - 2832292



Patch cable, CAT5, assembled, 3.0 m

---

Patch cable - FL CAT5 PATCH 5,0 - 2832580



Patch cable, CAT5, assembled, 5.0 m

## Switch - FL SWITCH SFN 8GT - 2891673

### Accessories

Patch cable - FL CAT5 PATCH 7,5 - 2832616



Patch cable, CAT5, assembled, 7.5 m

---

Patch cable - FL CAT5 PATCH 10,0 - 2832629



Patch cable, CAT5, assembled, 10.0 m

---

### Patch panel

Security element - FL SEC PAC 4TX - 2832865



Layer1 security elements for four RJ45 network connections for use with patch boxes and panels

---

### Protective cap

Dust protection - FL RJ45 PROTECT CAP - 2832991



Dust protection caps for RJ45 socket