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Ethernet switch, 8 TP RJ45 ports, automatic detection of data transmission speed of 10/100 Mbps (RJ45), autocrossing function

Product description

Standard function Ethernet switch with eight RJ45 ports. Provides automatic detection of data transmission speed of 10 or 100 Mbps (RJ45), autocrossing function, 9 V DC ... 32 V DC input voltage, redundant power supply capable with remote alarming.

Your advantages

- QoS-prioritized (Quality of Service) messages
- RJ45 ports support a transmission speed of 10/100 Mbps
- Fiber-optic ports support 100 Mbps
- The switch also offers cable locking and port blocking
- Local diagnostic indicators with LEDs
- Auto negotiation and autocrossing detection simplifies installation and setup

Commercial data

| | |
|--------------------------------------|---------------------|
| Item number | 2891929 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | DN19 |
| Product key | DNN113 |
| Catalog page | Page 291 (C-6-2019) |
| GTIN | 4046356100823 |
| Weight per piece (including packing) | 491.5 g |
| Weight per piece (excluding packing) | 490 g |
| Customs tariff number | 85176200 |
| Country of origin | TW |

FL SWITCH SFN 8TX - Industrial Ethernet Switch



2891929

<https://www.phoenixcontact.com/us/products/2891929>

Technical data

Dimensions

| | |
|--------|--------|
| Width | 50 mm |
| Height | 120 mm |
| Depth | 70 mm |

Notes

Note on application

| | |
|---------------------|-------------------------|
| Note on application | Only for industrial use |
|---------------------|-------------------------|

Material specifications

| | |
|------------------|----------|
| Housing material | Aluminum |
|------------------|----------|

Mounting

| | |
|---------------|-------------------|
| Mounting type | DIN rail mounting |
|---------------|-------------------|

Interfaces

Ethernet (RJ45)

| | |
|-------------------------------|-----------------------------------|
| Connection method | RJ45 |
| Note on the connection method | Auto negotiation and autocrossing |
| Transmission speed | 10/100 Mbps |
| Transmission physics | Ethernet in RJ45 twisted pair |
| No. of channels | 8 (RJ45 ports) |

Product properties

| | |
|----------------|---|
| Product type | Switch |
| Product family | Unmanaged Switch SFN |
| Type | Block design |
| MTTF | 67.4 Years (MIL-HDBK-217F standard, temperature 25°C, operating cycle 100%) |

Data management status

| | |
|------------------|----|
| Article revision | 07 |
|------------------|----|

Insulation characteristics

| | |
|------------------|---------------------------------------|
| Protection class | III (IEC 61140, EN 61140, VDE 0140-1) |
|------------------|---------------------------------------|

Switch functions

| | |
|----------------------------------|---|
| Basic functions | Unmanaged switch / auto negotiation, complies with IEEE 802.3, store and forward switching mode |
| Status and diagnostic indicators | LEDs: U _S , link and activity per port |
| Additional functions | Autonegotiation |

Security functions

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| | |
|-----------------|---|
| Basic functions | Unmanaged switch / auto negotiation, complies with IEEE 802.3, store and forward switching mode |
|-----------------|---|

Electrical properties

| | |
|---|---|
| Local diagnostics | US Supply voltage Green LED |
| | LNK/ACT Link status/data transmission Green LED |
| | 100 Data transmission speed Yellow LED |
| Maximum power dissipation for nominal condition | 3.36 W |
| Test section | 500 V DC 1 min |
| Transmission medium | Copper |

Supply

| | |
|-----------------------------|--|
| Supply voltage (DC) | 24 V DC |
| Supply voltage range | 9 V DC ... 32 V DC |
| Residual ripple | 3.6 V _{PP} (within the permitted voltage range) |
| Typical current consumption | 140 mA (at U _S = 24 V DC) |

Connection data

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|-----------------------------------|---|
| Connection method | Screw connection |
| Conductor cross section, rigid | 0.2 mm ² ... 2.5 mm ² |
| Conductor cross section, flexible | 0.2 mm ² ... 2.5 mm ² |
| Conductor cross section AWG | 24 ... 12 |
| Stripping length | 7 mm |

Environmental and real-life conditions

Ambient conditions

| | |
|--|---|
| Degree of protection | IP20 |
| Ambient temperature (operation) | 0 °C ... 60 °C |
| Ambient temperature (storage/transport) | -20 °C ... 70 °C |
| Permissible humidity (operation) | 5 % ... 95 % (non-condensing) |
| Permissible humidity (storage/transport) | 5 % ... 95 % (non-condensing) |
| Vibration (operation) | in acc. with IEC 60068-2-6: 5g, 150 Hz |
| Air pressure (operation) | 86 kPa ... 108 kPa (up to 1500 m above sea level) |
| Air pressure (storage/transport) | 66 kPa ... 108 kPa (up to 3500 m above sea level) |
| Resistance to gases that may endanger the functions, in acc. with DIN 40046-36, DIN 40046-37 | Sulfur dioxide (SO ₂) 10 ±0.3 cm ³ /m ³ , hydrogen sulfide (H ₂ S) 1 ±0.3 cm ³ /m ³ , at 25°C and 75% humidity and exposure of four days |

EMC data

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|-------------------------------|--|
| Electromagnetic compatibility | Conformance with EMC Directive 2004/108/EC |
| Noise immunity | EN 61000-6-2:2005 |
| Noise emission | EN 61000-6-4 |

System properties

Functionality

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| | |
|-----------------|---|
| Basic functions | Unmanaged switch / auto negotiation, complies with IEEE 802.3, store and forward switching mode |
| Signaling | |
| Status display | LEDs: U _S , link and activity per port |

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2891929>



UL Listed

Approval ID: E238705



cUL Listed

Approval ID: E238705



KC

Approval ID: KCC-REI-PCK- FL28919



cUL Listed

Approval ID: FILE E 196811



UL Listed

Approval ID: FILE E 196811

cULus Listed

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-11.0 | 19170402 |
| ECLASS-12.0 | 19170402 |
| ECLASS-13.0 | 19170402 |

ETIM

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|----------|----------|
| ETIM 9.0 | EC000734 |
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UNSPSC

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|-------------|----------|
| UNSPSC 21.0 | 43222600 |
|-------------|----------|

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Environmental product compliance

| | |
|---|---|
| EU RoHS | |
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 6(c), 7(a), 7(c)-I |
| China RoHS | |
| Environment friendly use period (EFUP) | EFUP-10 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |
| EU REACH SVHC | |
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1) |
| SCIP | c8fd0b4d-9c33-460d-afb7-d98894bb4ab6 |

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