

Industrial Ethernet Switch - FL SWITCH SF 16TX - 2832849

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Ethernet Switch, 16 TP RJ45 ports, automatic detection of data transmission speed of 10 or 100 Mbps (RJ45), autocrossing function




Your advantages

- Auto negotiation and autocrossing detection simplifies installation and setup
- Relay contact for alarm processing of voltage states
- Local diagnostic indicators with LEDs
- Security options with cable locking
- RJ45 ports support a transmission speed of 10/100 Mbps; fiber optic ports support 100 Mbps



Key Commercial Data

| | |
|--------------------------------------|---|
| Packing unit | 1 pc |
| GTIN |  4 017918 952211 |
| GTIN | 4017918952211 |
| Weight per Piece (excluding packing) | 586.900 g |
| Custom tariff number | 85176200 |
| Country of origin | Taiwan |

Technical data

Note

| | |
|-------------------------|---|
| Utilization restriction | EMC: class A product, see manufacturer's declaration in the download area |
|-------------------------|---|

Dimensions

| | |
|--------|---------|
| Width | 205 mm |
| Height | 94.3 mm |
| Depth | 30 mm |

Ambient conditions

| | |
|----------------------|------|
| Degree of protection | IP20 |
|----------------------|------|

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Technical data

Ambient conditions

| | |
|--|---|
| Ambient temperature (operation) | 0 °C ... 55 °C |
| Ambient temperature (storage/transport) | -20 °C ... 70 °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 sea level) |
| Air pressure (storage/transport) | 66 kPa ... 108 kPa (up to 3500 m above sea level) |

Interfaces

| | |
|-------------------------------|---------------------------------------|
| Interface | Ethernet (RJ45) |
| No. of ports | 16 (RJ45 ports) |
| Note on the connection method | Auto negotiation and autocrossing |
| Transmission physics | Ethernet in RJ45 twisted pair |
| Transmission speed | 10/100 Mbps |
| Transmission length | 100 m (per segment) |
| Signal LEDs | Data receive, link status |
| Interface | Potential-free signaling contact |
| Connection method | Plug-in/screw connection via COMBICON |

Function

| | |
|----------------------------------|---|
| Basic functions | Unmanaged switch / auto negotiation, complies with IEEE 802.3, store and forward switching mode |
| Additional functions | Autonegotiation |
| Status and diagnostic indicators | LEDs: U _{S1} , U _{S2} (redundant voltage supply), link and activity per port |
| Signal contact control voltage | 24 V DC (typical) |

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 _{PP} (within the permitted voltage range) |
| Supply voltage range | 18.5 V DC ... 30.2 V DC |
| Typical current consumption | 300 mA (at U _S = 24 V DC) |

General

| | |
|------------------|---|
| Mounting type | DIN rail |
| Type AX | Block design |
| Net weight | 586.9 g |
| Housing material | Aluminum |
| MTTF | 43.7 Years (MIL-HDBK-217F standard, temperature 25°C, operating cycle 100%) |

Standards and Regulations

| | |
|-------------------------------|--|
| Electromagnetic compatibility | Conformance with EMC Directive 2004/108/EC |
|-------------------------------|--|

<https://www.phoenixcontact.com/gb/products/2832849>



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Standards and Regulations

| | |
|---|--|
| Noise emission | EN 61000-6-4 |
| Noise immunity | EN 61000-6-2:2005 |
| Vibration (storage/transport) | 5g, 150 Hz, in acc. with IEC 60068-2-6 |
| Free from substances that could impair the application of coating | In acc. with VW specification |
| Vibration (operation) | in acc. with IEC 60068-2-6: 5g, 150 Hz |

Environmental Product Compliance

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|------------|---|
| REACH SVHC | Lead 7439-92-1 |
| China RoHS | Environmentally Friendly Use Period = 10; |
| | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

Classifications

eCl@ss

| | |
|---------------|----------|
| eCl@ss 10.0.1 | 19170402 |
| eCl@ss 4.0 | 27250500 |
| eCl@ss 4.1 | 27250500 |
| eCl@ss 5.0 | 19030100 |
| eCl@ss 5.1 | 19030100 |
| eCl@ss 6.0 | 19170100 |
| eCl@ss 7.0 | 19170106 |
| eCl@ss 8.0 | 19170106 |
| eCl@ss 9.0 | 19170106 |

ETIM

| | |
|----------|----------|
| ETIM 2.0 | EC000734 |
| ETIM 3.0 | EC000734 |
| ETIM 4.0 | EC000734 |
| ETIM 5.0 | EC000734 |
| ETIM 6.0 | EC000734 |
| ETIM 7.0 | EC000734 |

UNSPSC

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|---------------|----------|
| UNSPSC 6.01 | 43172015 |
| UNSPSC 7.0901 | 43201404 |
| UNSPSC 11 | 43172015 |
| UNSPSC 12.01 | 43201410 |
| UNSPSC 13.2 | 43222612 |

Approvals

Approvals

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Approvals


Approvals

UL Listed / cUL Listed / EAC / EAC / KC / EAC / cULus Listed

Ex Approvals


UL Listed / cUL Listed / cULus Listed


Approval details


| | | | |
|-----------|---|---|---------------|
| UL Listed |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 140324 |
|-----------|---|---|---------------|

| | | | |
|------------|--|---|---------------|
| cUL Listed |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 140324 |
|------------|--|---|---------------|

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|-----|---|--|---------------|
| EAC |  | | EAC-Zulassung |
|-----|---|--|---------------|

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|-----|---|--|--------------------------|
| EAC |  | | RU *- DE.A*08.B.00739 |
|-----|---|--|--------------------------|

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|----|---|---|--------------------------|
| KC |  | http://eng.kcc.go.kr/user/ehpMain.do | KCC-REI- PCK-FL283284 |
|----|---|---|--------------------------|

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|-----|---|--|--------------------------|
| EAC |  | | RU *- DE.A*30.B.01735 |
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| cULus Listed |  | | |
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