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Industrial Ethernet Switch - FL SWITCH SFN 7TX/FX ST - 2891110

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Ethernet Switch, 7 TP RJ45 ports, 1 FO port, 100 Mbps full duplex in ST-D format, automatic detection of data transmission speed of 10 or 100 Mbps (RJ45), autocrossing function

Why buy this product

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



Key Commercial Data

| | |
|--------------|---|
| Packing unit | 1 STK |
| GTIN |  4 046356 100847 |
| GTIN | 4046356100847 |

Technical data

Note

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

Dimensions

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

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) |

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Ambient conditions

| | |
|--|---|
| 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 1 | Ethernet (RJ45) |
| No. of ports | 7 (RJ45 ports) |
| Note on the connection method | Auto negotiation and autocrossing |
| Transmission physics | Ethernet in RJ45 twisted pair |
| Transmission speed | 10/100 Mbps |
| Interface 2 | Fiber optic interface |
| No. of ports | 1 (ST multi-mode) |
| Transmission physics | multi-mode fiberglass |
| Transmission speed | 100 Mbps (full duplex) |
| Transmission length | 2000 m (Fiberglass 50/125) |
| | 2000 m (Fiberglass 62.5/125) |
| Wavelength | 1300 nm/1310 nm |

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 _s , 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 |
| Residual ripple | 3.6 V _{PP} (within the permitted voltage range) |
| Supply voltage range | 9 V DC ... 32 V DC |
| Typical current consumption | typ. 190 mA (at U _s = 24 V DC) |

General

| | |
|------------------|--------------|
| Mounting type | DIN rail |
| Type AX | Block design |
| Net weight | 365 g |
| Housing material | Aluminum |

Standards and Regulations

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

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Standards and Regulations

| | |
|---|--|
| 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

| | |
|------------|---|
| 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" |

Approvals

Approvals

Approvals

UL Listed / cUL Listed / 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 |
|-----------|--|---|---------------|

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

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