

Industrial Ethernet Switch - FL SWITCH 1001T-4POE - 2891064

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Power-over-Ethernet switch conforms to IEEE 802.3at. Includes four PoE+ ports and one standard RJ45 port, all with 10/100 Mbps speeds.

Why buy this product

- Auto negotiation
- Autocrossing
- Wide -40° ... +75°C temperature range
- Redundant power supply
- Automatic detection of IEEE 802.3at or 802.3af powered devices
- Wide-range power supply of 18 ... 57 V AC/DC
- POE status LED per port



Key Commercial Data

| | |
|--------------------------------------|-----------|
| Packing unit | 1 STK |
| Weight per Piece (excluding packing) | 900.000 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

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|--------|--------|
| Width | 55 mm |
| Height | 117 mm |
| Depth | 78 mm |

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Ambient conditions

| | |
|--|---|
| Degree of protection | IP20 |
| Ambient temperature (operation) | -40 °C ... 75 °C |
| Ambient temperature (storage/transport) | -40 °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 (1500 m above sea level) |
| Air pressure (storage/transport) | 66 kPa ... 108 kPa (3500 m above sea level) |

Interfaces

| | |
|----------------------|--|
| Interface 1 | Ethernet |
| No. of ports | 5 (4x POE ports, 1x 10/100 port) |
| Connection method | RJ45 socket |
| Transmission physics | Ethernet RJ45 |
| Transmission speed | 10/100 Mbps |
| Transmission length | 100 m (Between transmitter / receiver) |
| Signal LEDs | LNK/ACT, 100, POE |

Function

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|----------------------------------|--|
| Basic functions | PSE, complies with IEEE 802.3at |
| Status and diagnostic indicators | LEDs: U _{S1} , U _{S2} (redundant voltage supply); alarm; LNK/ACT, POE, 100 Mbps per port |
| Signal contact control voltage | 250 V AC |
| Signal contact control current | 1 A |

Network expansion parameters

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|---|-------|
| Maximum conductor length (twisted pair) | 100 m |
|---|-------|

Supply voltage

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|-----------------------------|--|
| Supply voltage | 24 V DC |
| Residual ripple | 3.6 V _{PP} (within the permitted voltage range) |
| Supply voltage range | 18 V DC ... 57 V DC |
| Typical current consumption | 6.2 A (at U _S =24 V DC) |
| | 2.7 A (at U _S =48 V DC) |
| Inrush surge current | 18 A (57 V DC for 100 μs) |

General

| | |
|------------------|-------------|
| Mounting type | DIN rail |
| Type AX | Stand-alone |
| Net weight | 685 g |
| Housing material | Aluminum |

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Connection data

| | |
|---------------------------------------|---------------------------------------|
| Connection method | COMBICON plug-in screw terminal block |
| Conductor cross section solid min. | 0.2 mm ² |
| Conductor cross section solid max. | 2.5 mm ² |
| Conductor cross section flexible min. | 0.2 mm ² |
| Conductor cross section flexible max. | 2.5 mm ² |
| Conductor cross section AWG min. | 24 |
| Conductor cross section AWG max. | 12 |
| Stripping length | 7 mm |

Standards and Regulations

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|---------------------------------|--|
| Electromagnetic compatibility | Conformance with EMC Directive 2004/108/EC |
| Developed in acc. with standard | IEC 61000-6.2 |
| Test standard | IEC 61000-4-2 (ESD) |
| Test result | Criterion B |
| Test standard | IEC 61000-4-3 (immunity to radiated interference) |
| Test result | Criterion A |
| Test standard | IEC 61000-4-4 (burst) |
| Test result | Criterion B |
| Test standard | IEC 61000-4-5 (surge) |
| Test result | Criterion B |
| Test standard | IEC 61000-4-6 (immunity to conducted interference) |
| Test result | Criterion A |
| Test standard | IEC 61000-4-8 (immunity to magnetic fields) |
| Test result | Criterion A |
| Test standard | EN 55022 (emitted interference) |
| Test result | Criterion A |
| Type of test | Vibration resistance in acc. with EN 60068-2-6/IEC 60068-2-6 |
| Test result | 5g, 150 Hz, Criterion 3 |
| Type of test | Shock in acc. with EN 60068-2-27/IEC 60068-2-27 |
| Test result | 25g, 11 ms half-sine shock pulse |

Approvals

Approvals

Approvals


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


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Approvals

Ex Approvals

Approval details

| | |
|---|-------|
| UL Listed  http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 140324 | |
| mm ² /AWG/kcmil | 30-14 |

| | |
|--|-------|
| cUL Listed  http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 140324 | |
| mm ² /AWG/kcmil | 30-14 |

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KC <http://rra.go.kr/eng2/index.jsp> MSIP-REI-PCK-2891064

cULus Listed 