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Ethernet module - FL PSE 2TX - 2891013

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Factoryline Power-over-Ethernet modules (PSE) for midspan power supply according to IEEE 802.3af, two PoE supply ports, no configuration required, function possible with 10 and 100 Mbps networks

Product Description

Power-over-Ethernet-Module (PSE) for midspan power supply according to IEEE 802.3af. The industrial Power-over-Ethernet modules enable the common transmission of power and data according to IEEE 802.3af via the Ethernet medium. Consequently, terminal equipment, such as WLAN or Bluetooth access points, IP telephones or IP cameras can be connected to the network quickly and economically. The FL PSE 2TX is a compact stand-alone solution that converts the two standard Ethernet ports to Power-over-Ethernet ports. The FL PSE 2TX is a Plug & Play device and generates the 48 V DC required for Power-over-Ethernet from the 24 V module supply according to IEEE 802.3af.

Why buy this product

- Can be combined with Fast Ethernet switch
- Compact housing
- IEEE 802.3af

Ethernet

Key Commercial Data

| | |
|--------------|---|
| Packing unit | 1 STK |
| GTIN |  4 046356 076043 |

Technical data

Note

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

Dimensions

| | |
|--------|--------|
| Width | 45 mm |
| Height | 99 mm |
| Depth | 112 mm |

Ambient conditions

| | |
|---|--------------------------------|
| Degree of protection | IP20 |
| Ambient temperature (operation) | 0 °C ... 55 °C |
| Ambient temperature (storage/transport) | -20 °C ... 70 °C |
| Permissible humidity (operation) | 30 % ... 95 % (non-condensing) |

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Ambient conditions

| | |
|--|---|
| Permissible humidity (storage/transport) | 30 % ... 95 % (non-condensing) |
| Air pressure (operation) | 86 kPa ... 108 kPa (2000 m above sea level) |
| Air pressure (storage/transport) | 66 kPa ... 108 kPa (3500 m above sea level) |

Interfaces

| | |
|----------------------|--|
| Interface 1 | Ethernet |
| No. of ports | 2 (PoE ports) |
| Connection method | 8-pos. RJ45 socket |
| Transmission physics | Ethernet RJ45 |
| Transmission speed | 10/100 MBit/s |
| Transmission length | 100 m (Between transmitter / receiver) |
| Signal LEDs | PoE detection |

Function

| | |
|----------------------------------|---|
| Basic functions | PSE/midspan, complies with IEEE 802.3af |
| Status and diagnostic indicators | LEDs: US, PoE detection per port |

Network expansion parameters

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

Supply voltage

| | |
|-----------------------------|---|
| Supply voltage | 24 V DC (via COMBICON; max. conductor cross section 2.5 mm²) |
| Residual ripple | 3.6 V _{pp} (within the permitted voltage range) |
| Supply voltage range | 18.5 V DC ... 30.5 V DC |
| Typical current consumption | typ. 100 mA (During no load; approx. 1800 mA at 24 V at the input with maximum load and 25°C ambient temperature) |

General

| | |
|------------------|--------------------|
| Mounting type | DIN rail |
| Type AX | Stand-alone |
| Net weight | 320 g |
| Housing material | Polyamide (PA 6.6) |

Standards and Regulations

| | |
|---------------------------------|---|
| 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 A |
| Test standard | IEC 61000-4-5 (surge) |
| Test result | Criterion B |

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Standards and Regulations

| | |
|---|--|
| 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 |
| Test section | For one minute 1500 V AC 1 min. |
| 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 |
| Connection in acc. with standard | CUL |
| Vibration (operation) | In acc. with IEC 60068-2-6: 5g, 150 Hz |

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 | 27250501 |
| eCl@ss 7.0 | 19170190 |
| eCl@ss 8.0 | 19170106 |

ETIM

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

UNSPSC

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

Approvals

Approvals

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Approvals

Approvals


UL Recognized / cUL Recognized / EAC / EAC / cULus Recognized

Ex Approvals

UL Listed / cUL Listed / cULus Listed

Approvals submitted

Approval details

UL Recognized 

cUL Recognized 

EAC

EAC

cULus Recognized 

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