

# 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.

## Product Features

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

## Ethernet

## Key commercial data

package_quantity	1
GTIN	4046356076043

## Technical data

### Note:

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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### 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 % (no condensation)
Permissible humidity (storage/transport)	30 % ... 95 % (no condensation)
Air pressure (operation)	86 kPa ... 108 kPa (2000 m above sea level)

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## Technical data

### Ambient conditions

<b>Air pressure (storage/transport)</b>	66 kPa ... 108 kPa (3500 m above sea level)
<b>Noise immunity</b>	EN 61000-6-2:2005

### Interfaces

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

### Function

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

### Network expansion parameters

<b>Maximum conductor length ((twisted pair)</b>	100 m
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### Supply voltage

<b>Supply voltage</b>	24 V DC (via COMBICON; max. conductor cross section 2.5 mm <sup>2</sup> )
<b>Residual ripple</b>	3.6 V <sub>PP</sub> (within the permitted voltage range)
<b>Supply voltage range</b>	18.5 V DC ... 30.5 V DC
<b>Typical current consumption</b>	typ. 100 mA (During no load; approx. 1800 mA at 24 V at the input with maximum load and 25°C ambient temperature)

### General

<b>Mounting type</b>	DIN rail
<b>Type AX</b>	Stand-alone
<b>Weight</b>	320 g
<b>Housing material</b>	Polyamide (PA 6.6)
<b>Noise emission</b>	EN 61000-6-4

### Conformity with EMC directives

<b>Developed in acc. with standard</b>	IEC 61000-6.2
<b>Test standard</b>	IEC 61000-4-2 (ESD)
<b>Test result</b>	Criterion B
<b>Test standard</b>	IEC 61000-4-3 (immunity to radiated interference)
<b>Test result</b>	Criterion A
<b>Test standard</b>	IEC 61000-4-4 (burst)
<b>Test result</b>	Criterion A
<b>Test standard</b>	IEC 61000-4-5 (surge)
<b>Test result</b>	Criterion B
<b>Test standard</b>	IEC 61000-4-6 (immunity to conducted interference)
<b>Test result</b>	Criterion A

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## Technical data

### Conformity with EMC directives

<b>Test standard</b>	IEC 61000-4-8 (immunity to magnetic fields)
<b>Test result</b>	Criterion A
<b>Test standard</b>	EN 55022 (emitted interference)
<b>Test result</b>	Criterion A

## classifications

### eCl@ss

<b>eCl@ss 4.0</b>	27250501
<b>eCl@ss 4.1</b>	27250501
<b>eCl@ss 5.0</b>	27250501
<b>eCl@ss 5.1</b>	27250501
<b>eCl@ss 6.0</b>	27250501
<b>eCl@ss 7.0</b>	19170190
<b>eCl@ss 8.0</b>	19170190

### ETIM

<b>ETIM 2.0</b>	EC000734
<b>ETIM 3.0</b>	EC000734
<b>ETIM 4.0</b>	EC000734
<b>ETIM 5.0</b>	EC000734

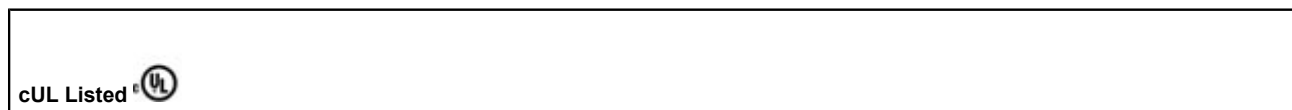
### UNSPSC

<b>UNSPSC 6.01</b>	43172015
<b>UNSPSC 7.0901</b>	43201404
<b>UNSPSC 11</b>	43172015
<b>UNSPSC 12.01</b>	43201410
<b>UNSPSC 13.2</b>	43201410

## approvals

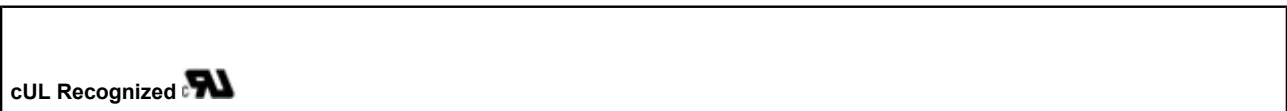
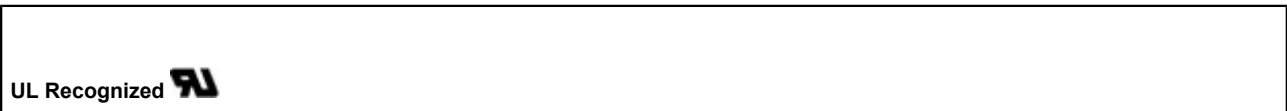
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### Approval details



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## approvals



## accessories

### End block

E/NS 35 N - 0800886



## Ethernet module - FL PSE 2TX - 2891013

accessories

### Patch cable

FL CAT5 PATCH 0,3 - 2832250



FL CAT5 PATCH 0,5 - 2832263



FL CAT5 PATCH 1,0 - 2832276



FL CAT5 PATCH 1,5 - 2832221



FL CAT5 PATCH 2,0 - 2832289



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### accessories

FL CAT5 PATCH 3,0 - 2832292



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FL CAT5 PATCH 5,0 - 2832580



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FL CAT5 PATCH 7,5 - 2832616



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FL CAT5 PATCH 10,0 - 2832629



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### Drawings

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