

## Ethernet module - FL PSE 2TX - 2891013

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



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.

### Your advantages

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



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 076043
GTIN	4046356076043
Weight per Piece (excluding packing)	320.000 g
Custom tariff number	85176200
Country of origin	Germany

### Technical data

#### Note

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

#### Dimensions

Width	45 mm
Height	99 mm

# Ethernet module - FL PSE 2TX - 2891013

## Technical data

### Dimensions

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)
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	Ethernet (RJ45)
No. of ports	2 (RJ45 ports)
Transmission physics	Copper
Transmission speed	10/100 Mbps
Transmission length	100 m (Between transmitter / receiver)
Signal LEDs	PoE detection
Interface	Ethernet
No. of ports	2 (RJ45 ports)
Connection method	RJ45
Transmission speed	10/100 Mbps
Transmission length	up to 100 m

### 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 mm <sup>2</sup> )
Residual ripple	3.6 V <sub>PP</sub> (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

# Ethernet module - FL PSE 2TX - 2891013

## Technical data

### Standards and Regulations

Electromagnetic compatibility	Conformance with EMC Directive 2014/30/EU
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

### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Classifications

### eCl@ss

eCl@ss 10.0.1	19170401
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

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201410
UNSPSC 13.2	43222612
UNSPSC 18.0	43222612

# Ethernet module - FL PSE 2TX - 2891013

## Classifications

### UNSPSC

UNSPSC 19.0	43222612
UNSPSC 20.0	43222612
UNSPSC 21.0	43222612

## Approvals

### Approvals

#### Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

#### Ex Approvals

UL Listed / cUL Listed / cULus Listed

## Approval details

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 140324
---------------	--	---	---------------

cUL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 140324
----------------	--	---	---------------

EAC			RU*DE*08.B.00731/19
-----	--	--	---------------------

cULus Recognized			
------------------	--	--	--

## Accessories

### Accessories

End block

## Ethernet module - FL PSE 2TX - 2891013

### Accessories

End clamp - E/NS 35 N - 0800886



End clamp, width: 9.5 mm, color: gray

---

### Mounting rail adapter

DIN rail adapter - FL DIN RA - 2891053



The FL DIN RA is installed in a standard, 19-inch rack (EIA-310-D, IEC 60297-3-100) to allow DIN rail mounted equipment to be rack mounted.

---

### Patch cable

Patch cable - FL CAT5 PATCH 0,3 - 2832250



Patch cable, CAT5, assembled, 0.3 m

---