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://download.phoenixcontact.com)

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

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)

Ethernet module - FL PSE 2TX - 2891013

Technical data

Ambient conditions

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

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
Weight	320 g
Housing material	Polyamide (PA 6.6)
Noise emission	EN 61000-6-4

Conformity with EMC directives

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
Test standard	IEC 61000-4-6 (immunity to conducted interference)
Test result	Criterion A

Ethernet module - FL PSE 2TX - 2891013

Technical data

Conformity with EMC directives

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

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	19170190

ETIM

ETIM 2.0	EC000734
ETIM 3.0	EC000734
ETIM 4.0	EC000734
ETIM 5.0	EC000734

UNSPSC

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

approvals

UL Listed / cUL Listed / UL Listed / cUL Listed / cULus Listed / UL Recognized / cUL Recognized / UL Recognized / cUL Recognized / cULus Recognized /

Approval details

UL Listed

cUL Listed

Ethernet module - FL PSE 2TX - 2891013

approvals

UL Listed

cUL Listed

cULus Listed

UL Recognized

cUL Recognized

UL Recognized

cUL Recognized

cULus Recognized

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

Ethernet module - FL PSE 2TX - 2891013

accessories

FL CAT5 PATCH 3,0 - 2832292

FL CAT5 PATCH 5,0 - 2832580

FL CAT5 PATCH 7,5 - 2832616

FL CAT5 PATCH 10,0 - 2832629

Drawings