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

RoHS

Ethernet

Key Commercial Data

Packing unit	1 STK
GTIN	4 046356 076043
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

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Ambient conditions

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 1	Ethernet
No. of ports	2 (PoE ports)
Transmission physics	Ethernet RJ45
Transmission speed	10/100 Mbps
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 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

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Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab “Downloads”, Category “Manufacturer's declaration”

Approvals

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

Ex Approvals

UL Listed / cUL Listed / cULus Listed

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 140324
cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 140324
EAC			EAC-Zulassung
EAC			RU *-DE.A*30.B.01735
cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	

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