

# ETH POWER ADAPTER - Injector



1679314

<https://www.phoenixcontact.com/us/products/1679314>

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Product photo

Passive PoE solution for fixed power supply of PoE end devices (PD), 10/100 Mbps, -40°C ... +75°C, DIN rail mounting

## Product description

As a passive PoE solution, the Ethernet Power Adapter supplies the voltage fed in to the terminal block via the Ethernet cable. Thanks to the compact design, DIN rail mounting, and a temperature range of -40°C to +75°C, the device is ideal for 10/100 Mbps applications for supplying PoE end devices (PD).

## Your advantages

- Simple solution for voltage transmission on unused wires
- Extended temperature range of -40 °C ... +75 °C
- Pluggable fuse
- Compact design
- LED for signaling the connected voltage

## Commercial data

Item number	1679314
Packing unit	1 pc
Sales key	DN23
Product key	DNC426
GTIN	4067923231801
Weight per piece (including packing)	43.3 g
Weight per piece (excluding packing)	33 g
Customs tariff number	85366990
Country of origin	US

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## Technical data

### Notes

#### Note on application

Note on application	Only for industrial use
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### Product properties

Product type	Patch panel
MTTF	9788 Years (SN 29500 standard, temperature 25°C, operating cycle 21%)
	7303 Years (SN 29500 standard, temperature 40°C, operating cycle 34.25%)
	3493 Years (SN 29500 standard, temperature 40°C, operating cycle 100%)

### Electrical properties

Maximum power dissipation for nominal condition	216 mW (at input voltage 48 V DC, output power 15 W)
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#### Supply

Supply voltage range	18 V DC ... 60 V DC (Passive PoE via the wire pair of the Ethernet cable)
Max. current consumption	1 A
Power consumption	≤ 350 mW

### Connection data

#### Supply

Conductor cross-section, flexible, with ferrule, without plastic sleeve	0.25 mm <sup>2</sup> ... 1 mm <sup>2</sup>
Conductor cross-section, flexible, with ferrule, with plastic sleeve	0.25 mm <sup>2</sup> ... 0.5 mm <sup>2</sup>
Single conductor/terminal point, rigid	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Single-wire/terminal point, flexible	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross-section, flexible [AWG]	24 ... 16
Stripping length	9.00 mm

### Interfaces

Data: Ethernet interface, 10/100Base-T(X) in accordance with IEEE 802.3

Serial transmission speed	10/100 Mbps
Connection method	RJ45
Note on the connection method	CAT5
No. of channels	2
Pin assignment	1:1
Transmission length	100 m (including patch cables)

### Dimensions

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Width	22.5 mm
Height	78 mm
Depth	44 mm

## Material specifications

Color (Housing)	light gray (RAL 7035)
Material (Housing)	PA
Flammability rating according to UL 94	V2

## Mechanical tests

Vibration resistance in accordance with EN 60068-2-6/IEC 60068-2-6	Operation: 5g, 10...150 Hz, 2.5 h, in XYZ direction
Shock in accordance with EN 60068-2-27/IEC 60068-2-27	Operation: 25g, 11 ms period, half-sine shock pulse

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 75 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Ambient temperature (assembly)	-10 °C ... 75 °C
Altitude	≤ 5000 m (For restrictions, see the manufacturer's declaration for altitude operation)
Permissible humidity (operation)	10 % ... 95 % (non-condensing)

## Approvals

### CE

Certificate	CE-compliant
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### UL, USA/Canada

Identification	UL 61010 Listed
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## Mounting

Mounting type	DIN rail mounting
Assembly note	The product can be snapped onto all 35 mm DIN rails in accordance with EN 60715.
Useable DIN rail type	DIN rail: 35 mm

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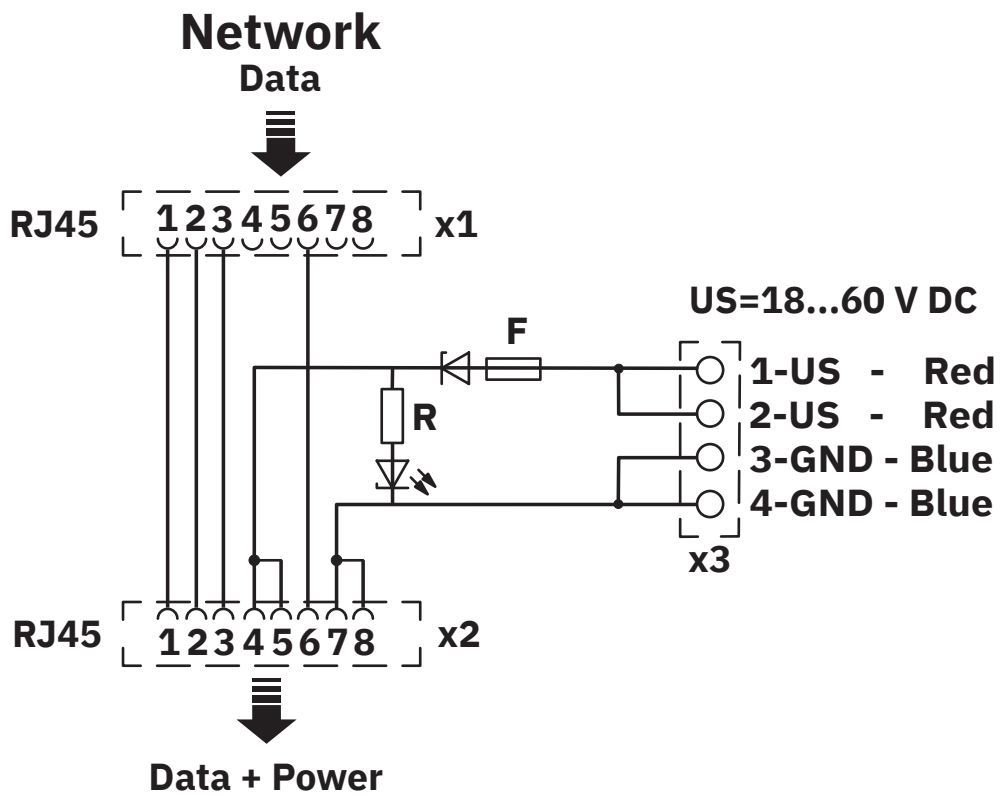


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## Drawings

Connection diagram



## Connections

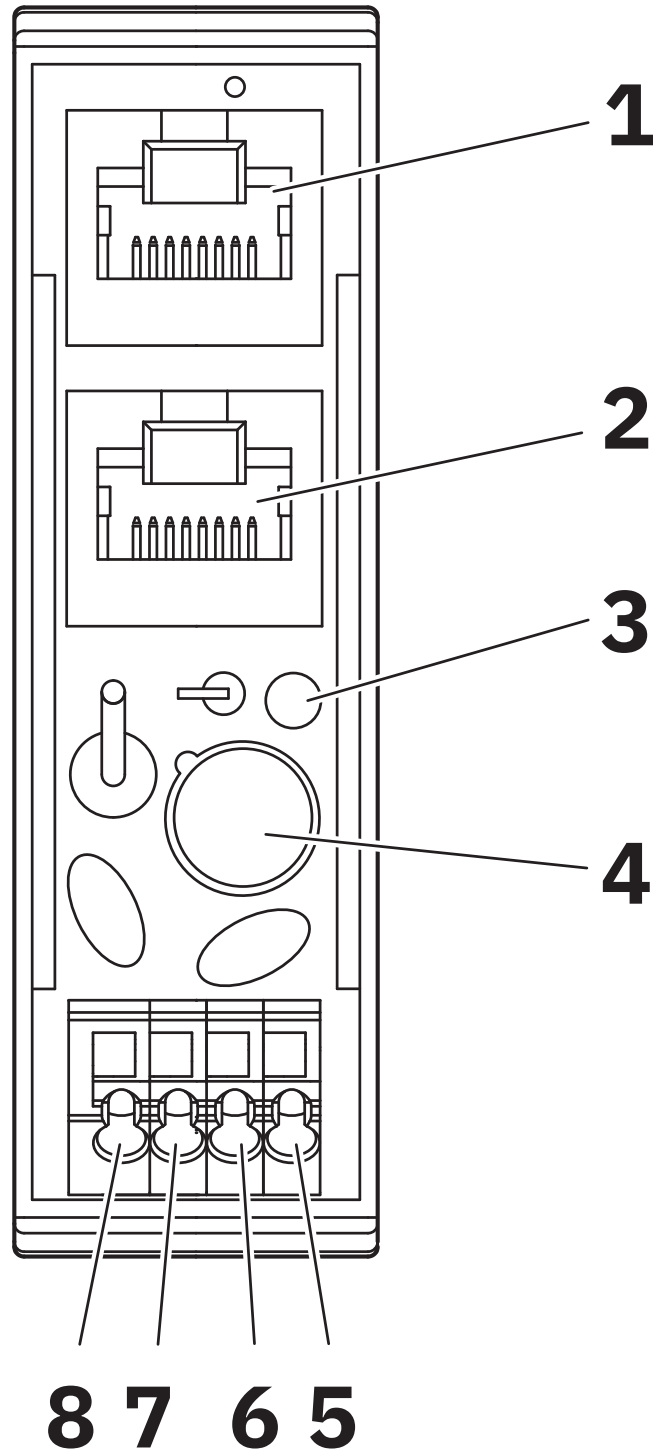
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Schematic diagram



Front view

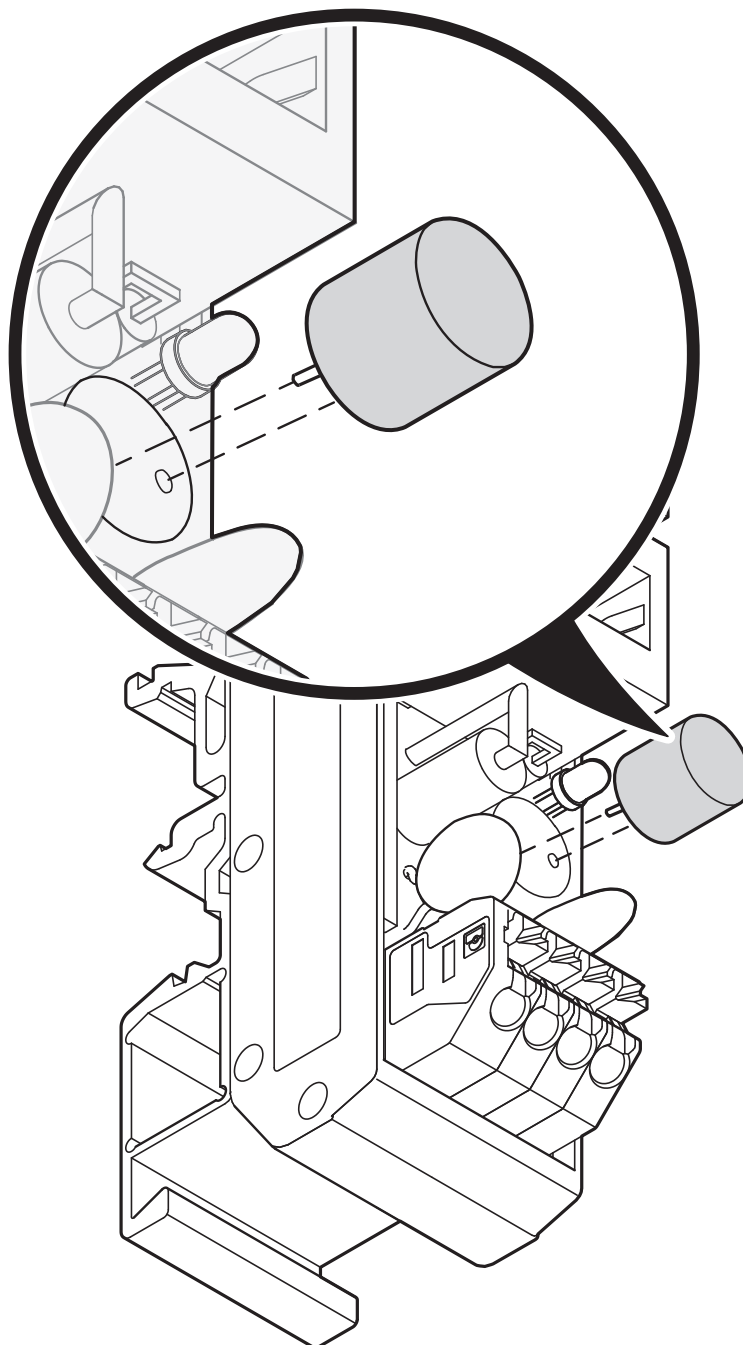
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Schematic diagram



Replacing the fuse

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1679314>



**cULus Listed**

Approval ID: E238705



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## Classifications

### ECLASS

ECLASS-13.0	19170112
ECLASS-15.0	19170112

### ETIM

ETIM 10.0	EC001128
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### UNSPSC

UNSPSC 21.0	43223300
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c), 7(a), 7(c)-I

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	Hexahydromethylphthalic anhydride(CAS: n/a)
	Lead(CAS: 7439-92-1)

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