

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

Ethernet

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 ² ... 1 mm ²
Conductor cross-section, flexible, with ferrule, with plastic sleeve	0.25 mm ² ... 0.5 mm ²
Single conductor/terminal point, rigid	0.2 mm ² ... 1.5 mm ²
Single-wire/terminal point, flexible	0.2 mm ² ... 1.5 mm ²
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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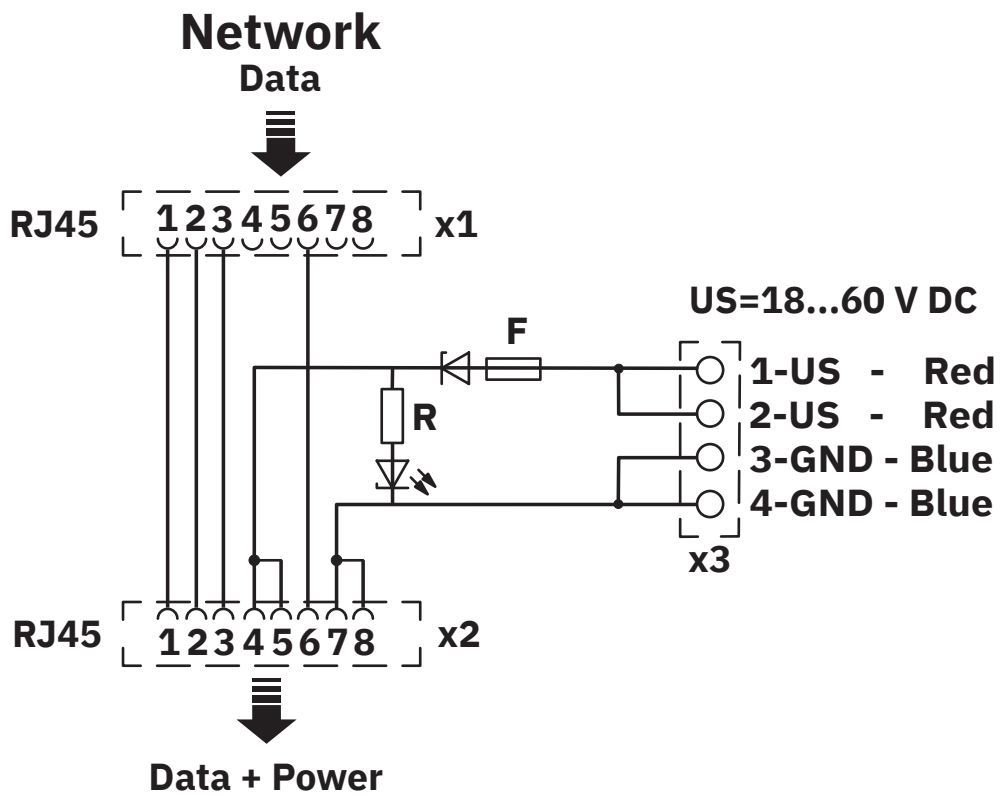


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Drawings

Connection diagram



Connections

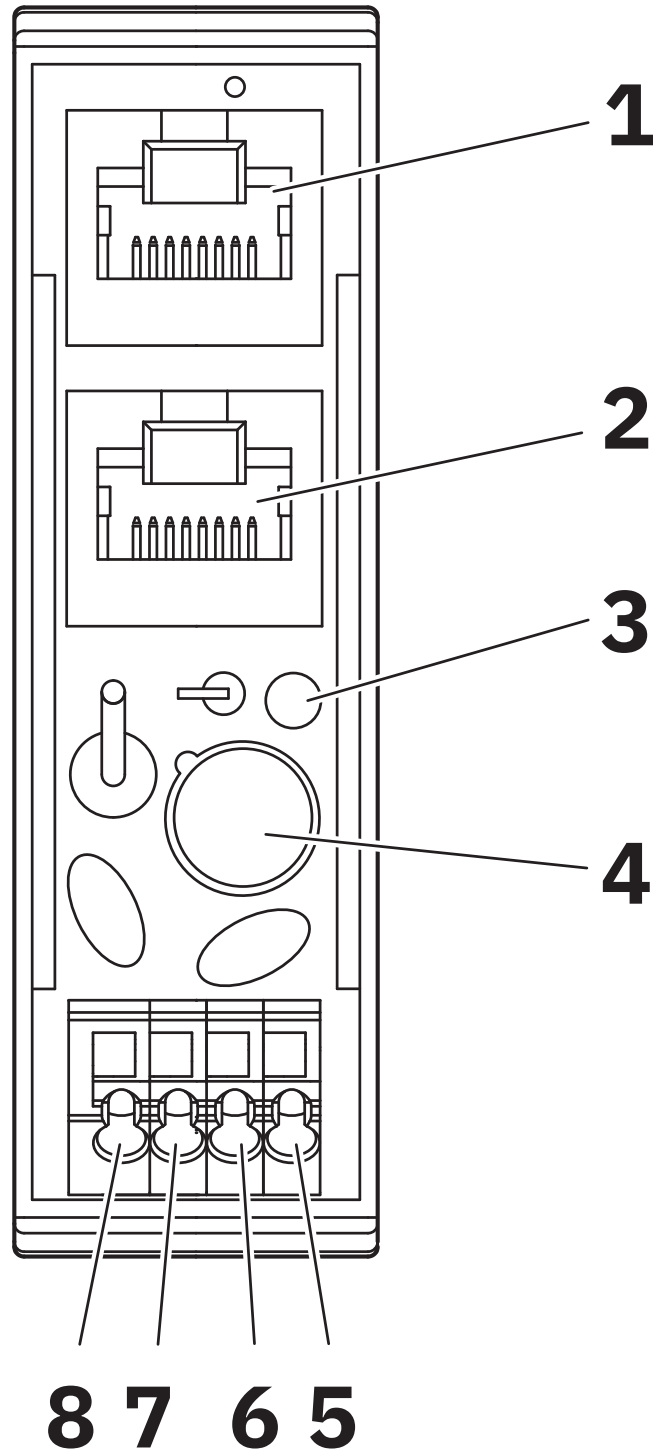
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Schematic diagram



Front view

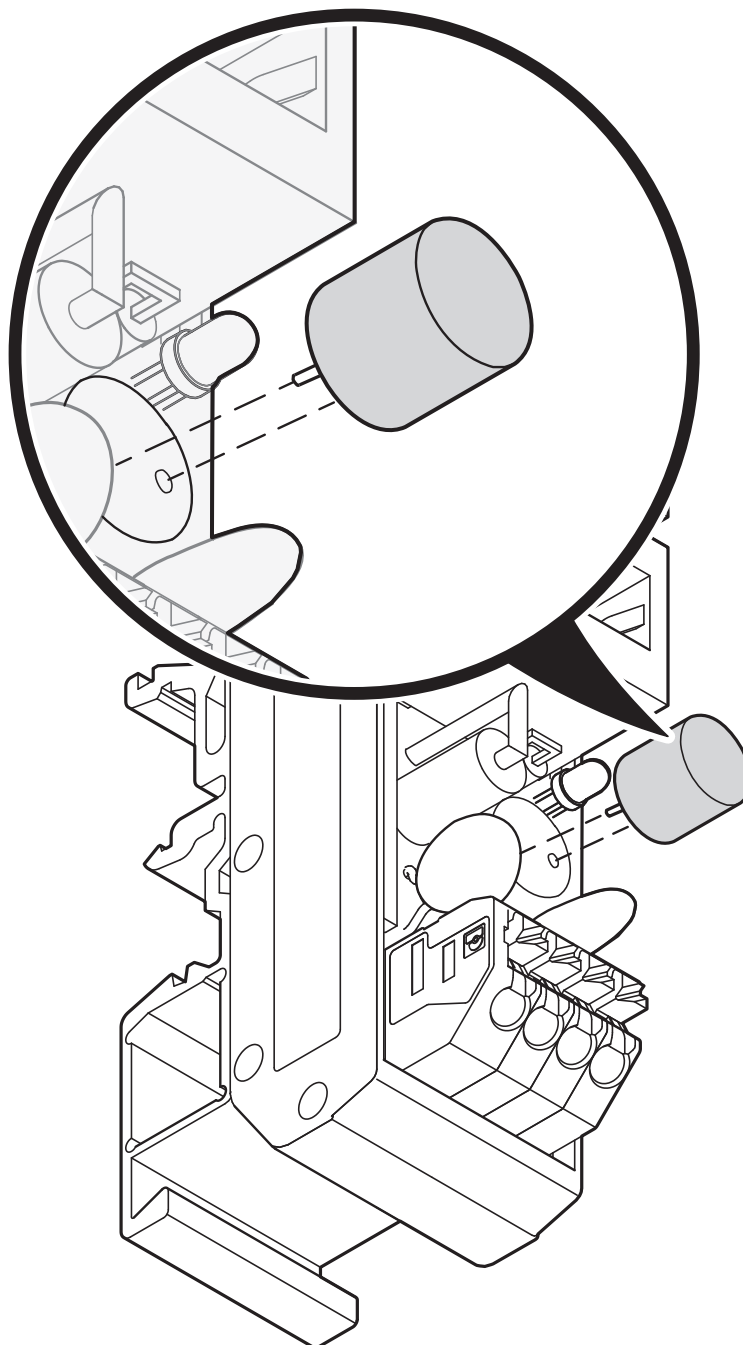
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Schematic diagram



Replacing the fuse

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Approvals

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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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