

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)



PoE injector, 30 W, two RJ45 sockets, 10/100/1000 Mbps, DIN rail mounting, IP20

Product Description

The midspan injectors connect Ethernet devices without PoE (e.g., switches) to PoE-capable end devices (e.g., IP cameras). As power sourcing equipment (PSE), the injector supplies the required power to a powered device (PD) via the data cable. The injector and end device negotiate the electrical power requirements autonomously.

Your advantages

- Mounting on a DIN rail
- ☑ 10/100/1000 Mbps



Key Commercial Data

Packing unit	1 pc
GTIN	4 055626 462936
GTIN	4055626462936
Weight per Piece (excluding packing)	396.600 g
Custom tariff number	85176200
Country of origin	Taiwan

Technical data

Note

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

Dimensions

Width	30.2 mm
Height	130 mm
Depth	120 mm



Technical data

Ambient conditions

Ambient temperature (operation)	0 °C 60 °C
Ambient temperature (storage/transport)	-40 °C 85 °C
Permissible humidity (operation)	10 % 95 % (non-condensing)
Altitude	\leq 5000 m (For restrictions, see the manufacturer's declaration for altitude operation)
	≤ 2000 m (With UL approval)
Degree of protection	IP20 (Non-certificated by UL)

General

External cable diameter	5.5 mm 6.5 mm
Electromagnetic compatibility	Conformance with EMC Directive 2014/30/EU
Mounting position	vertical
Net weight	396.6 g
Housing material	Plastic
Color	gray
MTTF	110 Years (MIL-HDBK-217F standard, temperature 25°C, operating cycle 100%)

Power supply

Nominal supply voltage	24 V DC
	48 V DC
Supply voltage range	18 V DC 57 V DC (Ordinary locations)
	24 V DC 48 V DC (Hazardous locations)
Max. current consumption	2.1 A
	1.4 A (24 V DC)
	0.7 A (48 V DC)
Power consumption	≤ 75 W
Protective circuit	Reverse polarity protection
Conductor cross section flexible, with ferrule without plastic sleeve	0.25 mm² 2.5 mm²
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.25 mm² 2.5 mm²
Conductor cross section flexible max.	2.50 mm²
Conductor cross section flexible min.	0.20 mm²
Conductor cross section solid max.	2.50 mm²
Conductor cross section solid min.	0.20 mm²
Conductor cross section AWG max.	12
Conductor cross section AWG min.	20

Interfaces

Interface 1	Ethernet
Connection method	RJ45 socket
Transmission length	100 m (including patch cables)
Pin assignment	1:1
Basic functions	PSE/Midspan, compliant with IEEE 802.3af, at



Technical data

Interfaces

Serial transmission speed	10/100/1000 Mbps
Output nominal voltage	54 V DC (PoE)
Output power	30 W
Interface 2	Ethernet
Connection method	RJ45 CAT5e

Conformance/approvals

Designation	CE
Identification	CE-compliant
Designation	EAC
Identification	EAC
Designation	UL, USA/Canada
Identification	Class I, Div. 2, Groups A, B, C, D T4
Designation	Corrosive gas test
Identification	ISA-S71.04-1985 G3 Harsh Group A

Standards and Regulations

Conformance with EMC Directive 2014/30/EU
Vibration resistance in acc. with EN 60068-2-6/IEC 60068-2-6
10 Hz 57 Hz, amplitude ±3.5 mm, 57 Hz 150 Hz, 5g
Shock in acc. with EN 60068-2-27/IEC 60068-2-27
30g for 11 ms, three shocks in each spatial direction
Continuous shock according to EN 60068-2-27/IEC 60068-2-27
10g for 16 ms, 1000 shocks in each spatial direction
EN 61000-4-2
± 6 kV (Test Level 3)
± 6 kV
EN 61000-4-3
80 MHz 3 GHz (Test Level 3)
EN 61000-4-4
Criterion B
EN 61000-4-5
± 1 kV (Data line, asymmetrical)
± 2 kV (I/O cable on field side only, asymmetric)
EN 61000-6-4
EN 61000-4-6
0.15 MHz 80 MHz

Environmental Product Compliance

REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 10;



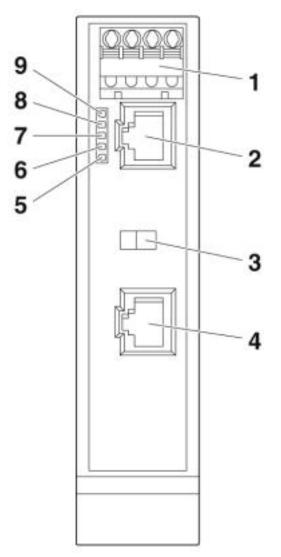
Technical data

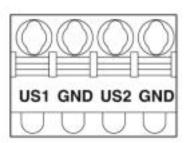
Environmental Product Compliance

For details about hazardous substances go to tab "Downloads",
Category "Manufacturer's declaration"

Drawings

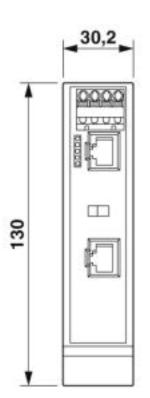
Schematic diagram

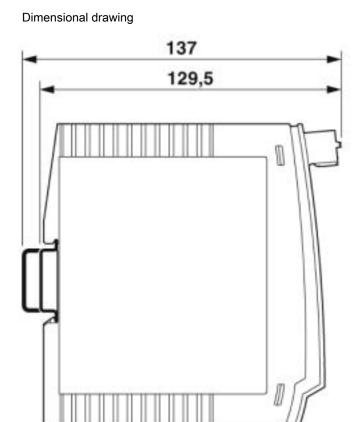




Front view

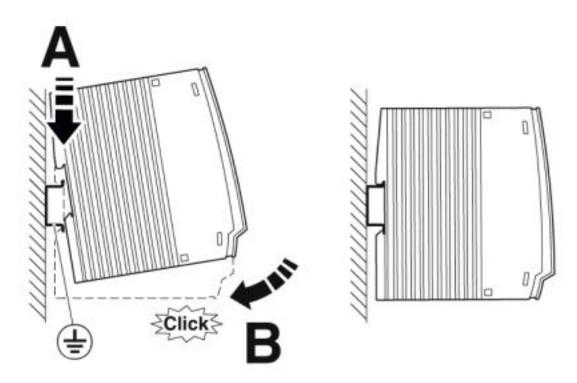








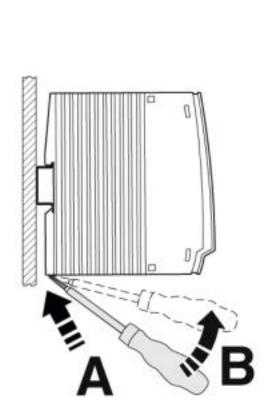
Schematic diagram

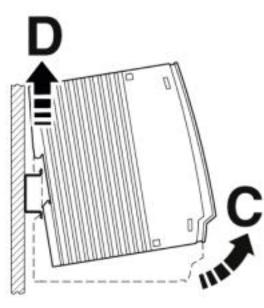


Mounting



Schematic diagram





Removal

Classifications

eCl@ss

eCl@ss 6.0	19170100
eCI@ss 7.0	19170112
eCl@ss 8.0	19170112
eCl@ss 9.0	19170112

ETIM

ETIM 5.0	EC002599
ETIM 6.0	EC002599
ETIM 7.0	EC002599

Approvals

Approvals

Approvals

UL Listed / cUL Listed / EAC / EAC / cULus Listed



Approvals

Ex Approvals

UL Listed / cUL Listed / cULus Listed

Approval details

UL Listed



http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm

FILE E 238705

cUL Listed



http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm

FILE E 238705

EAC



EAC-Zulassung

EAC



RU *-DE.A*30.B.03171

cULus Listed



Accessories

Accessories

Data cable by the meter

Network cable - FL CAT5 HEAVY - 2744814



CAT5-SF/UTP cable (J-02YS(ST)C HP 2 x 2 x 24 AWG), heavy-duty installation cable, $2 \times 2 \times 0.22 \text{ mm}^2$, solid conductor, shielded, outer sheath: 7.8 mm diameter, inner sheath: 5.75 mm \pm 0.15 mm diameter



Accessories

Network cable - FL CAT5 FLEX - 2744830



CAT5-SF/UTP cable (J-LI02YS(ST)C H 2 x 2 x 26 AWG), light-duty, flexible installation cable 2 x 2 x 0.14 mm², stranded, shielded, outer sheath: $5.75 \text{ mm} \pm 0.15 \text{ mm}$ diameter

Network cable - VS-OE-OE-94F/... - 1417359



Network cable, Ethernet $CAT6_A$ (10 Gbps), 8-position, PUR halogen-free, water blue RAL 5021, shielded, free cable end, on free cable end, cable length: Free entry (0.5 ... 400 m)

Data cable preassembled

Network cable - FL CAT5 HEAVY CONF/ - 2744827



CAT5-SF/UTP cable (J-02YS(ST)C HP 2 x 2 x 24 AWG), heavy-duty installation cable, 2 x 2 x 0.22 mm², solid conductor, shielded, outer sheath: 7.8 mm diameter, inner sheath: 5.75 mm \pm 0.15 mm diameter, preassembled on both sides with RJ45 plug, crossover or line

Network cable - FL CAT5 FLEX CONF/ - 2744843



CAT5-SF/UTP cable (J-LI02YS(ST)C H 2 x 2 x 26 AWG), light-duty, flexible installation cable 2 x 2 x 0.14 mm², stranded, shielded, outer sheath: $5.75 \text{ mm} \pm 0.15 \text{ mm}$ diameter, preassembled on both sides with RJ45 plug, crossover or line assignment

Data plug

RJ45 connector - VS-08-RJ45-5-Q/IP20 - 1656725



RJ45 connector, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT5 (IEC 11801:2002), material: PA, connection method: IDC fast connection, connection cross section: AWG 26- 23, cable outlet: straight, color: traffic grey A RAL 7042



Accessories

RJ45 connector - VS-08-RJ45-5-Q/IP20 BK - 1658008



RJ45 connector, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT5 (IEC 11801:2002), material: PA, connection method: IDC fast connection, connection cross section: AWG 26- 23, cable outlet: straight, color: black

Electronics pliers

Diagonal cutter - MICROFOX-SP - 1212488



Electronic diagonal cutter, tapered head, angled (21°), without chamfer, with opening spring

Network isolator

Network isolator - FL ISOLATOR 100-RJ/SC - 2313928



Passive network isolator for electrical isolation in Ethernet networks. This protects Ethernet devices from potential differences of up to 4 kV. Can be used for transmission speeds of up to 100 Mbps. Connection using RJ45 and COMBICON plug-in screw terminal block.

Network isolator - FL ISOLATOR 100-RJ/RJ - 2313931



Passive network isolator for electrical isolation in Ethernet networks. This protects Ethernet devices from potential differences of up to 4 kV. Can be used for transmission speeds of up to 100 Mbps. Possible to connect two RJ45 plugs.

Network isolator - FL ISOLATOR 1000-RJ/RJ - 2313915



Passive network isolator for electrical isolation in Ethernet networks. This protects Ethernet devices from potential differences of up to 4 kV. Can be used for transmission speeds of up to 1 Gbps. Possible to connect two RJ45 plugs.



Accessories

Network isolator - FL ISOLATOR 100-M12 - 2902985



Passive network isolator for electrical isolation in Ethernet networks. For the protection of Ethernet devices against potential differences of up to 4 kV. Can be used for transmission speeds of up to 100 Mbps. Ethernet connection via two M12 sockets (D-coded).

Patch cable

Patch cable - FL CAT5 PATCH 0,3 - 2832250



Patch cable, CAT5, assembled, 0.3 m

Patch cable - FL CAT5 PATCH 0,5 - 2832263



Patch cable, CAT5, assembled, 0.5 m

Patch cable - FL CAT5 PATCH 1,0 - 2832276



Patch cable, CAT5, assembled, 1 m

Patch cable - FL CAT5 PATCH 1,5 - 2832221



Patch cable, CAT5, assembled, 1.5 m



Accessories

Patch cable - FL CAT5 PATCH 2,0 - 2832289



Patch cable, CAT5, assembled, 2 m

Patch cable - FL CAT5 PATCH 3,0 - 2832292



Patch cable, CAT5, assembled, 3 m

Patch cable - FL CAT6 PATCH 0,3 - 2891181



Patch cable, CAT6, pre-assembled, 0.3 m

Patch cable - FL CAT6 PATCH 0,5 - 2891288



Patch cable, CAT6, pre-assembled, 0.5 \mbox{m}

Patch cable - FL CAT6 PATCH 1,0 - 2891385



Patch cable, CAT6, pre-assembled, 1.0 m



Accessories

Patch cable - FL CAT6 PATCH 1,5 - 2891482



Patch cable, CAT6, pre-assembled, 1.5 m

Patch cable - FL CAT6 PATCH 2,0 - 2891589



Patch cable, CAT6, pre-assembled, 2.0 m

Patch cable - FL CAT6 PATCH 3,0 - 2891686



Patch cable, CAT6, pre-assembled, 3.0 m

Patch cable - FL CAT6 PATCH 5,0 - 2891783



Patch cable, CAT6, pre-assembled, $5.0\ m$

Patch cable - FL CAT6 PATCH 7,5 - 2891880



Patch cable, CAT6, pre-assembled, 7.5 m



Accessories

Patch cable - FL CAT6 PATCH 10 - 2891877



Patch cable, CAT6, pre-assembled, 10 m

Patch cable - FL CAT6 PATCH 12,5 - 2891369



Patch cable, CAT6, pre-assembled, 12.5 m

Patch cable - FL CAT6 PATCH 15,0 - 2891372



Patch cable, CAT6, pre-assembled, 15.0 m

Patch cable - FL CAT6 PATCH 20,0 - 2891576



Patch cable, CAT6, pre-assembled, 20.0 $\,\mathrm{m}$

Patch panel

Patch panels - PP-RJ-RJ - 2703015



Patch panel, two RJ45 sockets, 10/100/1000 Mbps, DIN rail mounting, IP20



Accessories

Patch panels - PP-RJ-SC - 2703016



Patch panel, RJ45 socket on screw terminal blocks, 10/100/1000 Mbps, DIN rail mounting, IP20, shield contacting with strain relief

Patch panels - PP-RJ-SCC - 2703018



Patch panel, RJ45 socket on Push-in terminal blocks, 10/100/1000 Mbps, DIN rail mounting, IP20, shield contacting with strain relief

Patch panels - PP-RJ-IDC - 2703019



Patch panel, RJ45 socket on IDC terminal blocks, 10/100/1000 Mbps, DIN rail mounting, IP20, shield contacting with strain relief

Patch panels - PP-RJ-RJ-F - 2703020



 $Patch\ panel,\ two\ RJ45\ sockets,\ 10/100/1000\ Mbps,\ DIN\ rail\ mounting,\ IP20,\ shield\ current\ monitoring,\ surge\ protection$

Patch panels - PP-RJ-SC-F - 2703021



Patch panel, RJ45 socket on screw terminal blocks, 10/100/1000 Mbps, DIN rail mounting, IP20, shield contacting with strain relief, shield current monitoring, surge protection



Accessories

Patch panels - PP-RJ-SCC-F - 2703022



Patch panel, RJ45 socket on Push-in terminal blocks, 10/100/1000 Mbps, DIN rail mounting, IP20, shield contacting with strain relief, shield current monitoring, surge protection

Patch panels - PP-RJ-IDC-F - 2703023



Patch panel, RJ45 socket on IDC terminal blocks, 10/100/1000 Mbps, DIN rail mounting, IP20, shield contacting with strain relief, shield current monitoring, surge protection

Power supply

Power supply unit - UNO-PS/1AC/24DC/ 60W - 2902992



Primary-switched UNO POWER power supply for DIN rail mounting, input: 1-phase, output: 24 V DC/60 W

Power supply unit - TRIO-PS-2G/1AC/24DC/3/C2LPS - 2903147



Primary-switched TRIO POWER power supply with push-in connection for DIN rail mounting, input: 1-phase, output: 24 V DC/3 A C2LPS

Power supply unit - QUINT4-PS/1AC/24DC/2.5/PT - 2909576



Primary-switched power supply unit, QUINT POWER, Push-in connection, DIN rail mounting, input: 1-phase, output: 24 V DC / 2.5 A

Screwdriver tools



Accessories

Screwdriver - SZF 0-0,4X2,5 - 1204504



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.4 x 2.5 x 75 mm, 2-component grip, with non-slip grip

Assembly tool - FL CRIMPTOOL - 2744869



Crimping pliers, for assembling the RJ45 plugs FL PLUG RJ45..., for assembly on site

Stripping tool - VS-CABLE-STRIP-VARIO - 1657407



Stripping tool, for the multi-level stripping of shielded cables

Phoenix Contact 2020 © - all rights reserved http://www.phoenixcontact.com