

Installation and commissioning

Instructions for installation and commissioning.

Instruction No: 350-288

Product Identification

Table 1. Product designation, Part Number and E-Number

Product designation	Item No.	E-number (SE) (sv)
PoE injector 4p 1HE	1U02PI002404OP01	51 731 54

Area of use

PoE injector 4p 1HE supplies up to four devices with both power and data via PoE ports, without separate load outputs. Adds PoE feed to network connections that lack PoE. Easily mounted in a 19" rack. Supply: 24 V in, output voltage: 48 V DC via PoE ports. Need more ports? Plug in up to three devices for a total of 12 PoE outputs

Component overviews

Component overview



Table 2. Component Overview POE injector 4p 1HE

No	Explanation
1	Bracket for 19" rack.
2	PoE in (over)
3	PoE out (below)

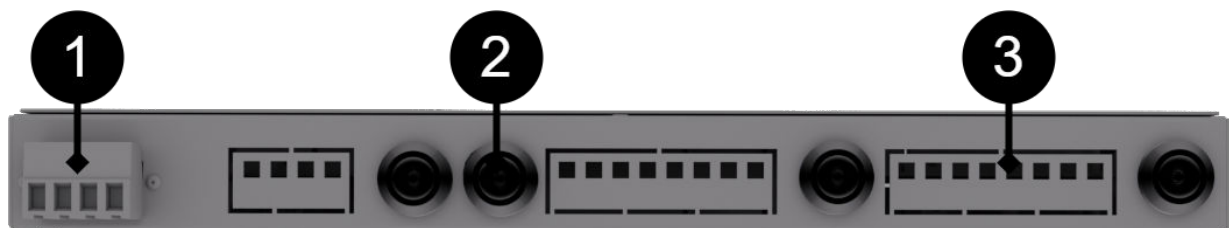
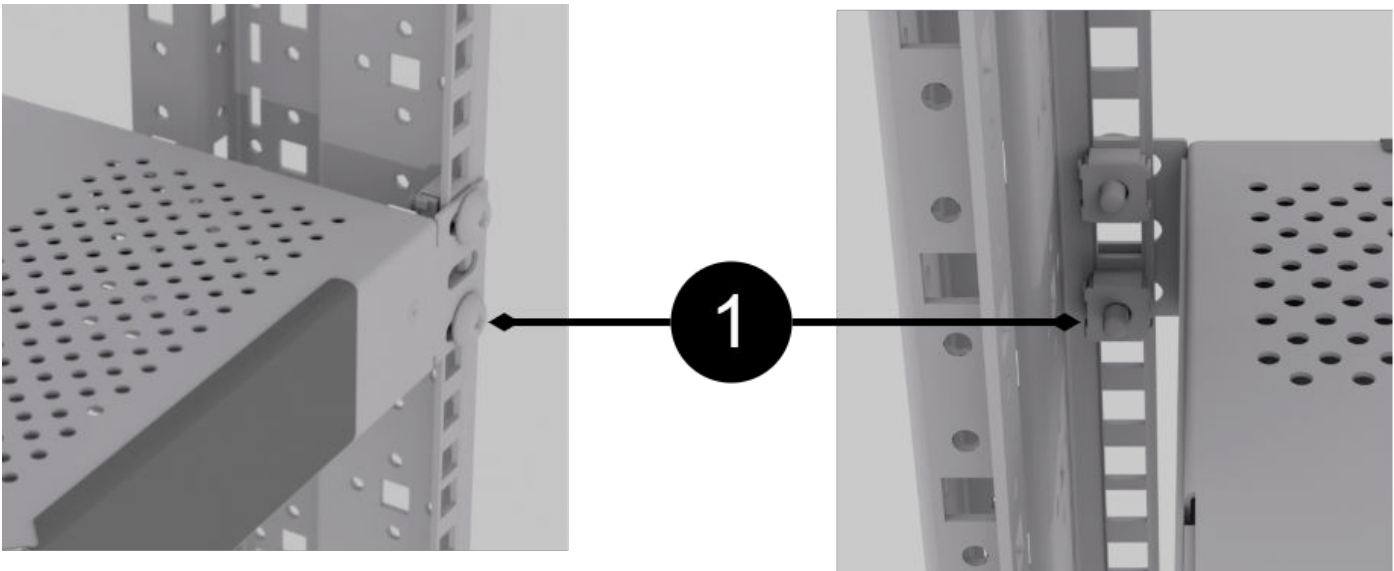


Table 3. Component overview, back

No .	Explanation	Comment
1	Connection of battery cables	24V.
2	Load output 2	The fuse on the front is the one closest to the display.
3	Load output 1	Fuse on the front is the one closest to the corner.

Mounting in 19" rack



The unit is a height unit (44 mm) high, and should be mounted in 19" racks with two screws on each side (1).

Screw and nut for 19" rack not included.



CAUTION

Leave at least 100 mm above and below for best ventilation.

Plug into this order

- Plugging in load.
- Plug in power supply, 24V .

Wiring, Circuit Board Overview

PoE Injector starts as soon as 24 V DC is plugged in.

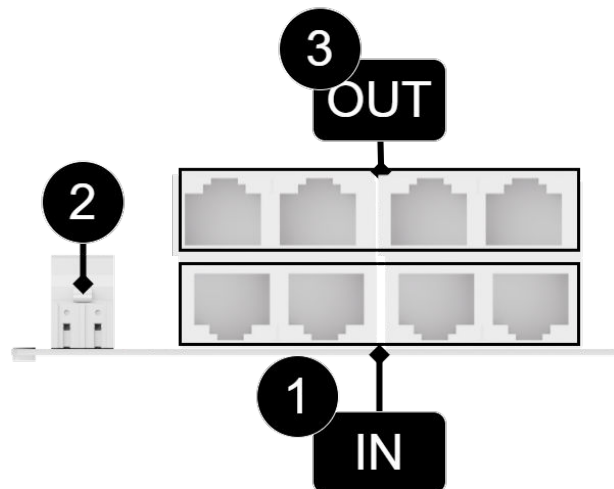


Table 4. Component Overview PoE injector 4p

No	Explanation
1	PoE in.
2	Power supply to the PoE card.
3	PoE out.

Plug-in - power supply



Switching on 24V takes place on the back, via the jackable terminal.

Compatible Products

The product is compatible with all Milleteknik battery backups that supply 24V DC out.

Product data sheet

Product Sheet

Product image



Product Identification

Table 5. Product designation, Part Number and E-Number

Product designation	Item No.	E-number (SE) (sv)
PoE injector 4p 1HE	1U02PI002404OP01	51 731 54

Designation

Four-port PoE injector in enclosure for 19" rack.

Area of use

PoE injector 4p 1HE supplies up to four devices with both power and data via PoE ports, without separate load outputs. Adds PoE feed to network connections that lack PoE. Easily mounted in a 19" rack. Supply: 24 V in, output voltage: 48 V DC via PoE ports. Need more ports? Plug in up to three devices for a total of 12 PoE outputs

Common uses

- Power supply for CCTV cameras where PoE support is missing.
- Extension of network capacity for security systems.
- Adds PoE function to network connectivity.
- Operation of wireless access points.

Technical description

PoE injector 48 V. Four inputs and four outputs.

Voltage, current and power

Voltage in: 27.3 V DC, (24 V).

Voltage Out: 48 IN DC.

Max power per port: 30.8 W.

Self-consumption is the power outlet the circuit board has when the system is deployed and in battery operation.

Table 6. Self-consumption

Circuit Boards	Self-consumption (in battery operation)	Comments
PoE injector 4p	87 mA	

Outputs

Four PoE ports and two LAN ports.

Enclosure

Sheet metal box for mounting in a 19" rack stand. Powder coated black.

Table 7. Dimensions, with and without packaging.

Dimensions, height x width x depth. ^a	Dimensions with packaging.
44 x 244 x 280 mm	110 x 490 x 340 mm

^aDimensions of product and packaging may differ, this is because the product may lie differently in the packaging.

Table 8. Height units, fan and IP class.

HE	Built-in fan	IP class
1	Yes	IP20

Weight

Table 9. Weight.

Name	Net weight	Weight incl. packaging
PoE injector 4p 1HE	1.8kg	2.1 kg

Installation requirements

The device is intended for fixed installation. The unit must be installed indoors, environmental class 1, ambient temperature: +5°C to +40°C.

Requirements that the product meets

Table 10. The product meets the following requirements.

EMC:	EMC Directive 2014/30/EU
Electricity:	Low Voltage Directive 2014/35/EU
CE marking:	Regulation (EC) No 765/2008
Environment	REACH: The product complies with REACH Regulation (EC) No 1907/2006. RoHS Directive 2011/65/EU, including amendment (EU) 2015/863 SCIP: registered under the EU Waste Directive where applicable, (2008/98/EC). WEEE: The product contains electrical components or wiring and is covered by the WEEE Directive (2012/19/EU). End-of-life products must be returned to a recycling centre Batteries: If the product is supplied with batteries, it is covered by the Battery Regulation (2023/1542). Expired batteries must be removed from the product and returned to a recycling centre
Machinery Directive	The product is part of electrical systems, is subject to the relevant electrical and safety directives and is not a machine according to the Machinery Directive (2006/42/EC).
Ecodesign	Milleteknik's products are intended for professional use and are therefore not directly covered by the Ecodesign Regulation (EU 2019/1782). As some components may be covered, we nevertheless disclose relevant information to give our customers confidence in their choice

Denomination	Efficiency (%) ^a	Standby consumption, typical (W):
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^aAt rated load.



Guarantee

The product has a two-year warranty for manufacturing defects.

Manufacturing, lifespan, environmental impact and recycling

Manufactured by Milleteknik in Partille, Sweden.

The product is designed for a long service life, which reduces the environmental impact. End-of-life products are handed over to the nearest recycling centre.

Link to technical specifications

Miscellaneous

Table 11. Max power PoE.

-	PoE	Poe+	PoE++
Compatible ^a	-	PoE	PoE, PoE+
Official name	IEEE 802.3af	IEEE 802.3at	IEEE 802.3bt
Maximum power	13 W	25 W	71 W

^aThe power supply follows "up", but not "down". A PoE can never power a PoE+/PoE++ device that requires more than 13 W.

About this information

All information is published subject to possible errors. Information is updated without prior notice.

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