

PRODUCT SHEET - POWER SUPPLY FROM MILLETEKNIK

Product image



Name, article number and e-number

Table 1. Name, article number and email number

Name	Item number	E-number (sv)
PoE injector 4p 1HE	1U02PI002404OP01	51 731 54

Technical description

Table 2. Quick Facts

Quick Facts	
Supply voltage (V)	[sv] 48 V DC
Voltage out (V)	[sv] 54,6 V DC, (48 V DC)

Areas of application

Table 3. [sv] Användningsområden

Areas of application	Yes	No
IP camera, power supply.	✓	
Networked devices that can be powered by PoE.	✓	

Electronics

Table 4. [sv] Elektriska data

[sv] Elektriska data	
[sv] Matningsspänning	[sv] 48 V DC
[sv] Standbyförbrukning	[sv] 4,18 W
[sv] Spänning ut	[sv] 54,6 V DC, (48 V DC)
[sv] Effekt (W)	[sv] 30,8W per port

Table 5. Printed circuit boards and Internal power consumption

Circuit Boards	Internal power consumption	Other. info
PoE switch 4p expansion kit	28 mA	
PoE injector 4p	87 mA	

Load outputs

Table 6. Load outputs

Load outputs	
[sv] Antal lastutgångar	[sv] PoE-switch kan driva last. Lastutgång för att driva andra applikationer saknas.

Table 7. POE outputs

POE outputs	
Number of PoE ports (RJ-45)	4
POE Budget/Max Power Per Port	! 4
Number of LAN ports	0
Network ports/interfaces, RJ-45	100 Mbit/s
Managed	No

Communication and Indications

Table 8. Communication and Indications

Communication and Indications	Yes	No	Other. info.
Communication		x	
Indicators/LEDs	✓		LED displays information and alarms on circuit boards and on the outside of the housing. LED on circuit board.

Enclosure and Mechanics

Table 9. Enclosure and Mechanics

Enclosure and Mechanics	
Enclosure	
IP class	IP00IP20
Material	Powder coated sheet metal.
Colour	Black
Height units	1
Cable grommets	
Knockout hole	1 pc. on the back.
Lock	✓, 2 pcs. keys included. No
Fan in enclosure	X

Assembly, installation and eligibility requirements

Table 10. Fitting

Fitting	[sv] Ja	[sv] Nej
19" rack.	✓	

Table 11. Installation

Installation	Yes	No	Other. info
Fixed installation.	✓		

Dimensions, weight and packaging information

Table 12. Dimensions

Dimensions, (WxHxD).	Dimensions with packaging ^a .
44 x 244 x 280 mm	110 x 490 x 340 mm

^aDimensions (WxHxD) of product and packaging may differ, this is because the product may be oriented differently in the package.

Table 13. Weight

Net weight	Weight with packaging
1.8kg	2.1 kg

Table 14. Packaging

Packaging	
Packaging	Cardboard and impact protection in cardboard.
Quantity in pack	1 pc.
Packaging Type (GS1 T0137)	BX box.
Conditions EUR pallet	EUR pallets may not be stacked during transport or storage. Stacking may result in damage to product and packaging
Transport environment	The product must be protected from condensation and direct precipitation during transportation.

Packaging	
Transport temperature (without battery)	-30 °C to +70 °C
Storage environment	Dry indoor environment, protected from condensation. Relative humidity: max 95%, non-condensing
Storage temperature without batteries	-20 °C to +60 °C

Contact

Table 15. Contact

Department	
Switchboard	031-340 02 30
Support and technical issues	support@milleteknik.se
Sales	sales@milleteknik.se
WWW	www.milleteknik.se
Address	Ögärdesvägen 8B, 433 30 Partille

About this information

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

Publication date 2026-03-30

[SV] COMPLIANCE OCH REGELEFTERLEVNAD

Delivery time, warranty and terms

Table 16. Delivery time, warranty and terms

Delivery time, warranty and terms	
Warranty period ^a	<i>[sv] Produkten har två (2) års garanti mot tillverkningsfel. Utöver den ordinarie garantitiden kan tre (3) års extra garanti köpas till.</i>
Special warranty conditions	See also general terms and conditions.
General Terms and Conditions	ALEM09 with exceptions, see: www.milleteknik.se/conditions/
Support	Telephone support and email support during the warranty period are free of charge. For spare parts that are not covered by warranty, there is a charge
Delivery and stock	
Delivery time ^b	Or as per agreement. Delivery from factory, transportation time is added.

^aIf the device is purchased through a wholesaler or other supplier, other warranty conditions may apply

^bIn the case of larger orders, delivery time increases, acc. to agreement.

Operation and maintenance

Table 17. Operation

Operation	Data	Other. info
Environment	Indoor environmental class 1.	
Operating temperature (recommended)	+15°C to +25°C	
Operating temperature (permissible) ^a	+5°C to +40°C	Class 1 according to EN 50131-6/ EN 60839-11
Load, power supply	80%	Average load shall not exceed 80% of the rated capacity of the power supply.
Ventilation, in front and behind the enclosure.	100 mm	Ventilation openings must not be blocked or covered.

^aSpecifies the permissible ambient temperature range in which the product can operate without damage. See also table on battery life.

Table 18. Maintenance

Yes	No	Interval	Other. info
	✓		Maintenance-free.

Certifications and approvals

Table 19. Approved according to

Complies with	Directives
PoE	
Emissions	
Immunity	EN61000-6-2:2005, EN61000-4-2, -3, 4, -5, -6, -11 SS-EN 50130-4:2011 Edition 2, EN50131-6
C.E.	CE marking according to (EC) 765/2008
EMC	EMC Directive 2014/30/EU
Electric (LVD)	Low Voltage Directive: 2014/35/EU

Environmental data

Table 20. Environmental data

Environmental data	J/N	Information	Other. info.
Building Product Declaration (BPD)	✓	Yes, see iBvd at www.milleteknik.se .	-
REACH Information Obligation (EC) No 1907/2006	✓	Yes, see the DoC at www.milleteknik.se . The product complies with REACH Regulation (EC) No 1907/2006.	If empty, the product is not covered.
SVHC substances, CAS/EC	✓	Yes, lead, 7439-92-1/231-100-4	For text, see iBvd at www.milleteknik.se . If blank, substance is missing.
Subject to the RoHS Directive, (EU) 2015/863	✓	Yes, see the DoC at www.milleteknik.se	
WEEE 2012/19/EU	✓	The product contains electrical components or wiring and is covered by the WEEE Directive (2012/19/EU).	If empty, the product is not covered. End-of-life products must be returned to a recycling centre
Battery Regulation (EU) 2023/1542	X		
SCIP No 2008/98/EC	✓	Yes, registered under the EU Waste Directive where applicable, (2008/98/EC).	If empty, no SCIP number is needed.
Conflict minerals (EU) 2017/821	X/ X/ X/ ✓	No=Gold, Tungsten, Tantalum, Cobalt. Yes=Tin	Tin in solders in printed circuit boards purchased through a Swedish supplier.
Contains nanomaterials: EC 1272/2008	X	The product does not contain nanomaterials.	-

Environmental data	J/N	Informație	Other info.
Ecodesign 2009/125/EC		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 ^a , where applicable, to provide our customers with confidence in their choice.	
Machine Directive 2006/42/EC		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). Will be replaced by Machinery Regulation (EU) 2023/1230, which will apply in 2027.	
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.			

^aStandby consumption and power.



Manufacturer and country of origin

Table 21. Manufacturer and country of origin

Manufacturer and origin	
Manufacturer ^a	Milleteknik AB
Customs State. Nos.	85043180
Country of origin	Sweden

^aManufacturer is the trademark indicated on the product, regardless of what is stated in this product sheet.

[SV] BILAGA

[sv] Behörighetskrav, installation

[sv]

Miscellaneous

Table 22. 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.

[sv] Referenstabell: miljöklasser enligt EN 50130-5 (som hänvisas till i EN 50131-6)

Table 23. Reference table: environmental classes according to EN 50130-5 (referred to in EN 50131-6)

Class	Type	Temperature range
Environmental Class 1	Heated indoors (type of office/residence).	+5°C to +40°C
Environmental Class 2	Generally indoors (type warehouses/stairwells, not temperature controlled).	-10°C to +40°C
Environmental class 3	Protected outdoors.	-25°C to +50°C
Environmental class 4	Generally outdoors.	-25°C to +60°C

[sv] Referenstabell: tillverkares angivna livslängd och rekommenderat batteribyte

About this information

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

Publication date 2026-03-30