

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)
10 Output Module ATO 24V 1HE	1U02FU002410OP01	52 137 11

Technical description

Table 2. Quick Facts

Quick Facts	
Supply voltage (V)	[sv] 27,3 V DC (24 V DC)
Voltage out (V)	[sv] 27,3 V DC, (24 V)
Current output (A), max load current output.	[sv] 2 A per utgång

Areas of application

Table 3. [sv] Användningsområden

Areas of application	Yes	No
Access system (door reader, magnetic lock, electric terminal plate, etc)	✓	
Burglar alarm	✓	

Electronics

Table 4. [sv] Elektriska data

[sv] Elektriska data	
[sv] Matningsspänning	[sv] 27,3 V DC (24 V DC)
[sv] Spänning ut	[sv] 27,3 V DC, (24 V)
[sv] Ström (A) ^a	[sv] 2 A per utgång
[sv] Maxström, hela kortet	[sv] 10 A

^aStrömuttag/last anges som max, normalt strömuttag skall vara 80% av max.

Table 5. Electrical data

Electrical data	
Load fuses	

Table 6. Printed circuit boards and Internal power consumption

Circuit Boards	Internal power consumption	Other. info
10 moduli di output ATO	103 mA	

Load outputs

Table 7. Load outputs

Load outputs	
Number of load outputs	10

Alarm and protection

Table 8. Alarm and protection

Alarm and protection	Yes	No
Overload Protection/ Surge Protection	✓	

Communication and Indications

Table 9. Communication and Indications

Communication and Indications	Yes	No	Other. info.
Communication		X	
Alarm feedback to power supply	✓		
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 10. 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 11. Fitting

Fitting	[sv] Ja	[sv] Nej
19" rack.	✓	

Table 12. Installation

Installation	Yes	No
Fixed installation.	✓	

Dimensions, weight and packaging information

Table 13. 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 14. Weight

Net weight	Weight with packaging
0.2 kg	0.3 kg
1.7kg	2.0 kg

Table 15. 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

Packaging	
Transport environment	The product must be protected from condensation and direct precipitation during transportation.
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 16. 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.

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[SV] COMPLIANCE OCH REGELEFTERLEVNAD

Delivery time, warranty and terms

Table 17. Delivery time, warranty and terms

Delivery time, warranty and terms	
Warranty period ^a	[sv] Produkten har två (2) års garanti mot tillverkningsfel.
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 18. 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

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

Table 19. Maintenance

Yes	No	Interval	Other. info
	✓		Maintenance-free.

Certifications and approvals

Table 20. Approved according to

Complies with	Directives
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 21. Environmental data

Environmental data	J/N	Information	Other. info.
Building Product Declaration (BPD)	✓	Yes, see iBvd at www.milleteknik.se .	-

Environmental data	J/N	Information	Other. info.
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	[sv] Tenn i lödningar i kretskort som köps in via svensk leverantör.
Contains nanomaterials: EC 1272/2008	X	The product does not contain nanomaterials.	
Ecodesign 2009/125/EC		Milleknik'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.	

Environmental data	J/N	Informație	Other. info.
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 22. 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]

[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

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