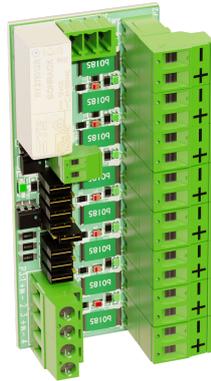


PRODUCT SHEET - POWER SUPPLY FROM MILLETEKNIK

Product image



Name, article number and e-number

Table 1. Name, article number and email number

Name	Item number	E-number (sv)
8 Output module PTC CTRL	A-FU122408OP03LM01	52 137 79

Technical description

Cancellation card with eight thermally protected outputs. The board protects electrical circuits with PTC fuses that automatically break the current in case of overload and reset when the overload ceases. Each output can be individually controlled via jumper. The card works with both 12 V DC and 24 V DC.

Table 2. Quick Facts

Quick Facts	Data
Supply voltage (V)	24 V DC or 12 V DC
Voltage out (V)	24 V DC or 12 V DC ^a
Current output (A), max load current output.	1.85 A per output

^aThe device is not equipped with any DC/DC converter. The output voltage therefore corresponds to the input

Areas of application

Areas of application	Yes	No
When additional cargo outputs are needed. Mounts in compatible power supply	✓	
Ability to turn off unprotected load in case of network outage.	✓	

Electronics

Table 3. Printed circuit boards and self-consumption

Circuit Boards	Self-consumption	Other. info
8 Output module PTC CTRL	20 mA	40 mA with CTRL active.

Table 4. Electrical data

Electrical data	Data
Supply voltage (V)	24 V DC or 12 V DC

Electrical data	Data
Standby consumption	0.48 W, 0.96 W if CTRL is active.
Voltage out	24 V DC or 12 V DC ^a
Current (A) ^b	1.85 A per output
Max current, full board	10A

^aThe device is not equipped with any DC/DC converter. The output voltage therefore corresponds to the input

^bPower outlet/load is specified as max, normal current output should be 80% of max.

Load outputs

Table 5. Load outputs

Load outputs	Data
Number of loading outputs	! 8



IMPORTANT

Note that the outputs divide by the total maximum load. The value does not apply per output

Alarm and protection

Table 6. Alarm and protection

Alarm and protection	Yes	No
Switching Relay	✓ Supply voltage output at control signal.	

Communication and Indications

Table 7. Communication and Indications

Communication and Indications	Yes	No	Other. info.
Communication		x	
Alarm feedback to power supply	✓		-
Indicators/LEDs	✓		LED on circuit board.

Enclosure and Mechanics

Table 8. Enclosure and Mechanics

Enclosure and Mechanics	Data
Enclosure	Does not have enclosure

Dimensions, weight and packaging information

Table 9. Dimensions

Dimensions, (WxHxD).	Dimensions with packaging ^a .
30 x 40 x 89mm	100 x 210 x 155 mm

^aDimensions (WxHxD) of product and packaging may differ, this is because the product may lie elsewhere in the package.

Table 10. Weight

Net weight	Weight with packaging
0.1 kg	0.2 kg

Table 11. Packaging

Packaging	Info
Packaging	Cardboard and impact protection in cardboard.
Quantity in pack	1 pc.
Packaging Type (GS1 T0137)	BX box.

Assembly, installation and eligibility requirements

Table 12. Fitting

Fitting
In product (optionally fitted in compatible product).

Table 13. Installazione

Installazione	Yes	No	Other. info
Installed in product.	✓		In order for the warranty to be valid, options may only be installed in compatible products.

The accessories fits in

Table 14. Number of cards that fit in the power supply.

Product series	Enclosure size	Number of cards that can fit ^a
ECO	M, L	2,4
ECO, NEO, NOVA	FLX S	2
EN54, NEO, NOVA	FLX M	3
NEO, NOVA	FLX L	3
19 rack module holders	4U	8

^aThe number of cards/accessories that can fit is the total number that can fit in the housing. Electronic and mechanical limitations may exist.

Operation and maintenance

Table 15. Drift

Drift	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 16. Maintenance

Yes	No	Interval	Other. info
	✓		Maintenance-free.

Table 17. 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

Class	Type	Temperature range
Environmental class 4	Generally outdoors.	-25°C to +60°C

Certifications and approvals

Table 18. Approved according to

Complies with	Directives
C.E.	CE marking according to (EC) 765/2008
EMC	EMC Directive 2014/30EU
Electric (LVD)	Low Voltage Directive: 2014/35/EU

Environmental data

Table 19. Environmental data

Environmental data	J/N	Informa ie	Other. info.
Building-goods declaration	✓	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 plot=subject
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 Redness (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=Tenn	Tin in solders in printed circuit boards purchased through a Swedish supplier.

Environmental data	J/N	Information	Other info.
Contains nanomaterials: EC 1272/2008	x	The product does not contain nanomaterials.	-
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 Indirect 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.	

^aStandby consumption and power.



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.

Delivery time, warranty and terms

Table 20. Delivery time, warranty and terms

Delivery time, warranty and terms	Info
Warranty period ^a	The product has a two (2) year warranty against manufacturing defects.
Special warranty conditions	See also general terms and conditions.
General Terms and Conditions	ALEM09 with exceptions, see: www.milleteknik.se/conditions/
Supporto	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	3 working days. Or enl. increase. Delivery from factory, transportation time is added.
Storage	Temperate environment/frost free.

^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, incl. ö.k.

Manufacturer and country of origin

Table 21. Manufacturer and country of origin

Manufacturer and origin	Info
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.

Contact

Table 22. Contact

Department	Contact
Switchgear	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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