

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)
Fire module 4 outputs (24V)	A-FU002404FS01	52 574 67

Technical description

[sv] Larmdonsövervakningskortet används i brandlarmssystem för övervakning och styrning av larmdon via upp till fyra individuellt säkrade 24 V-utgångar. Den möjliggör slingövervakning (avbrott/kortslutning), flexibel styrning (individuell, summa eller utrymning) samt konfigurerbar logik och signaltyp.

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
[sv] Styrning av larmdon		
[sv] Slingövervakning eller stjärnnät i brandlarmssystem		

Electronics

Table 4. [sv] Elektriska data

[sv] Elektriska data	
[sv] Matningsspänning	[sv] 27,3 V DC (24 V DC)
[sv] Standbyförbrukning	[sv] 0,38 W
[sv] Spänning ut	[sv] 27,3 V DC, (24 V)
[sv] Ström (A) ^a	[sv] 2 A per utgång
[sv] Maxström, hela kortet	[sv] 8 A

^a Strömuttag/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
Fire-modulo 4 utgång	16 mA Standby	Max 120 mA in case of alarm.

Load outputs

Table 7. Load outputs

Load outputs	
Number of load outputs	4

Alarm and protection

Table 8. [sv] Larm

[sv] Larm	[sv] Ja	[sv] Nej
[sv] Summalarm vid säkringsfel och avbrott på slinga	✓	

Table 9. Alarm and protection

Alarm and protection	Yes	No
Overload Protection/ Surge Protection	✓	

Communication and Indications

Table 10. Communication and Indications

Communication and Indications	Yes	No	Other. info.
Communication		X	
Indicators/LEDs	✓		LED on circuit board.
[sv] Display	✓		

Enclosure and Mechanics

Table 11. Enclosure and Mechanics

Enclosure and Mechanics	
Enclosure	

Assembly, installation and eligibility requirements

Table 12. Fitting

Fitting	[sv] Ja	[sv] Nej
In product (optionally fitted in compatible product).	✓	

Table 13. Installation

Installation	Yes	No
Installed in product.	✓	

Dimensions, weight and packaging information

Table 14. Dimensions

Dimensions, (WxHxD).	Dimensions with packaging ^a .
52 x 55 x 120 mm	100 x 210 x 155 mm

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

Table 15. Weight

Net weight	Weight with packaging
0.3 kg	0.4 kg

Table 16. Packaging

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

Packaging	
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.
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 17. 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 18. 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	3 working days. 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 19. 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 20. Maintenance

Yes	No	Interval	Other. info
✓		Annually	Battery terminal voltage must be measured. Ensure that the average load does not exceed 80% of the rated capacity of the power supply.
	✓		Maintenance-free.

Certifications and approvals

Table 21. 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 22. Environmental data

Environmental data	J/N	Informație	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	[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		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.	

Environmental data	J/N	Informație	Other. info.
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.	

^aStandby consumption and power.



Manufacturer and country of origin

Table 23. 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 24. 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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