

PRODUCT SHEET

Product image



Product Identification

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

Product designation	Item No.	E-number (SE) (sv)
EN54 MX Mains failure alarmkort	A-AL0024C0001	52 577 15

Technical description

Alarm boards for EN54 MX series are developed to enable a time delay of network interrupt alarms. This function is used to avoid immediate alarms in the event of short-term power outages, which can reduce the risk of false alarms and thus reduce the need for unnecessary interventions. The time delay can be set in a range from 1 minute to a maximum of 30 minutes, depending on the specific requirements of the current system

Table 2. Quick Facts

Quick Facts	
Supply voltage (V)	27.3 V DC (24 V DC)
Accessories for	Outdoor Enclosures.

Areas of application

Table 3. Areas of application

Areas of application	Yes	No
EN54 MX Series Alarm Card Enables Time-Delay Network Interrupter Alarm	✓	

Electrical data

Table 4. Electrical data

Electrical data	
Supply voltage	27.3 V DC (24 V DC)
Standby consumption	0.14 W

Table 5. Printed circuit boards and Internal power consumption

Circuit Boards	Internal power consumption	Other. info
EN54 MX Mains failure alarmkort	6 mA standby	41 mA when activated.

Alarm and protection

Table 6. Alarms

Alarms	Yes	No
Power Outage Alarm Adjustable between 1 and 30 minutes.	✓	

Communication and Indications

Table 7. Communication and Indications

Communication and Indications	Yes	No	Other. info.
Communication		✗	
Indicators/LEDs	✓	✗	

Enclosure and Mechanics

Table 8. Enclosure and Mechanics

Enclosure and Mechanics	
Type	Printed circuit board, product does not have enclosure

Assembly, installation and eligibility requirements

Table 9. Fitting

Fitting	Yes	No
In product (optionally fitted in compatible product).	✓	

Table 10. Installation

Installation	Yes	No
Installed in product.	✓	

Dimensions, weight and packaging information

Table 11. Dimensions

Dimensions, (WxHxD).	Dimensions with packaging ^a .
Card 1:14 x 31 x 12 mm. Card 2:20 x 51 x 15 mm.	100 x 210 x 155 mm

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

Table 12. Weight

Net weight	Weight with packaging
0.1 kg	0.2 kg

Table 13. 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.
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

The accessories fits in

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

Product	Number of cards that can fit ^a
EN54 1.5A MX S	2 (the product consists of two cards that must be installed for the power failure time delay to work).
EN54 5.5A MX M	2 (the product consists of two cards that must be installed for the power failure time delay to work).
EN54 7.5A MX L	2 (the product consists of two cards that must be installed for the power failure time delay to work).

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

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.

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COMPLIANCE AND REGULATORY COMPLIANCE

Delivery time, warranty and terms

Table 16. Delivery time, warranty and terms

Delivery time, warranty and terms	
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/
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.

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

^b In 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

^a Specifies 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
✓		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 19. Approved according to

Complies with	Directives
C.E.	CE marking according to Regulation (EC) No 765/2008
RoHS	RoHS Directive 2011/65/EU, including amendment (EU) 2015/863
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/ 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.	

Environ- mental da- ta	J/N	Informație	Other. in- fo.
Ecodesign 2009/125/E C	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/E C	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 ^a	Milleteknik AB
Customs State. Nos.	85044095 ^b
Country of origin	E.U.

^aManufacturer is the trademark indicated on the product, regardless of what is stated in
this product sheet.
^bVerify with the Customs Ombud/Customs Service for export/import; alternative classifica-
tion 85044055 may become applicable if the product is assessed as a battery charger.

APPENDIX

Eligibility requirements, installation

Eligibility requirements vary between countries. The table summarizes national requirements for fixed installation and connection of equipment with a plug socket, respectively.

Options on the secondary side of the product, such as 12 V, 24 V or 48 V DC, are connected according to the respective instructions. Work on the network connection of the product shall be carried out in accordance with national eligibility requirements

Table 22. Eligibility requirements by country. Applies only to the installation of this product in a fixed network connection

Permis- sion Re- quire- ments for In- stalla- tion	Fixed instal- lation (230 V)	Plug	Other. info
Sweden	✓	X	Fixed installation may be performed by technicians but shall be under the responsibility of a qualified installer. (Electrical Safety Act, SS 436 40 00) Plug may be connected without authorization.
Norway	✓	✓	Requirements for qualified electricians also for equipment with a plug socket in fixed installations. (NEK 400, DSB)
Finland	✓	X	Plug may be connected without authorization. (Tukes, SFS 6000)
Denmark	✓	X	Plug may be connected without authorization. (Safety Board)
Germany	✓	X	All fixed installations require a qualified electrician according to VDE 0100. Plug sockets may be connected without authorization, but only by person with basic electrical knowledge ("Elektrotechnisch unterwiesene Person")

Reference table: environmental classes according to EN 50130-5 (referred to in 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

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