PRODUCT SHEET - POWER SUPPLY FROM MILLETEKNIK

PoE

PoE Switch 4p M

PoE switch with 4 PoE ports.

Name, article number and e-number

Name	Article number	E-number (SV)
PoE switch 4p M	ME01C10048P02504PU	51 719 51

Description

Primary switched four port PoE power supply with battery backup 48 V, 125 W with room for four 7 Ah batteries.

Area of use

Power supply with backup power to power PoE devices such as surveillance cameras and other PoE powered devices. A plate for keystone modules makes the installation of PoE devices easier.

Batteries drive, for example, the access system, when the power grid goes down.

Long life, energy efficient and support is available if something goes wrong, now or in 10 years.

Technical description

Plate for attachment of Keystone modules.

100 Mbit ports.

Constant output voltage, 48 W, regardless of battery or mains operation, which means that the entire battery capacity can be used.

More compact battery backup that take up less space.

Voltage, current and power

Mains voltage: 230 V AC - 240 V AC, 47 Hz - 63 Hz.

Voltage out: 54.6 VDC

Output voltage in battery operation: 54.6 - 41 V.

Current: 2.5 A

Charging current: max. 0.5 A

Power: 150 W.

Max power per port: 30.8 W.

Number of PoE Ports: Four + two ethernet non-PoE.

Load outputs

PoE switch can drive load. Load output to drive other applications is missing.

Alarm

Alarm, one output, for delayed mains failure alarm (52.8V) or low battery voltage (48V).

Protection

Protection against overload, overvoltage, overtemperature, short circuit and deep discharge.

Controlled charging of batteries protects against overcharging and extends the life of batteries. Batteries are charged with a maximum of 0.5 A.

Fuses

Mains fuse: 2.5 A.

Load securing: Fuse on supply to PoE switch: 5 A.

Battery fuse: 16 A and 30 A.

Indications and communication

LED displays information and alarms on the circuit board and on the enclosure door.

PoE power supply cannot communicate via protocol (RS-485/I^2C) to UC.

Battery and battery type

4 pieces, 7.2 Ah, battery.

Battery type: 12 V, AGM lead-acid battery, maintenance-free. Batteries not included.

Backup operating time on batteries

The reserve operating time in battery operation depends on how large a load is connected to the power supply. If the load varies, as with frequent opening of door locks, the time that batter-

ies can continue to power the security system decreases. To get an estimate of reserve operating times see: www.milleteknik.se/Manualer/FaQ/Reservdrifttider/

Enclosure

Sheet metal cabinet for wall mounting, powder-coated white. Five cable entries. Cable tie holder in enclosure.

Dimensions, height x width x depth	Built-in fan	IP class
272 x 334 x 115 mm	No	IP20

Weight

Name	Net weight	Weight incl. packaging
PoE switch 4p M	6 kg	6 kg

Installation requirements

The device is intended for fixed installation. The unit must be installed indoors, environmental class 1, ambient temperature: +5°C to +40°C. Recommended ambient temperature is +15°C to +25°C (for optimal battery life).

Requirements that the product meets

EMC:	EMC Directive 2014 / 30EU
Electricity:	Low voltage directive: 2014/35 / EU
PoE:	IEEE 802.3af, IEEE 802.3at/30.8 W Note that 802.3at type2 is not supported, as the PoE card lacks a handshake function for type 2.
CE:	CE directive according to: 765/2008

Limitations

IMPORTANT

Note that 802.3at type2 is not supported, as the PoE card lacks a handshake function for type 2. Read more.

The product is tested and verified against Axema access systems and Dinbox access systems and is therefore recommended for use only with these systems. The product is currently not recommended for other products that have an af/at handshake procedure. The product deviates from standard IEEE 802.3af per port and IEEE 802.3at as the power is modified to be used together with Axema passer system and Dinbox passer system, which leads to shortcomings, (PoE-connected product does not start), against products that require handshake.

Guarantee

The product has a two-year warranty against manufacturing defects. Batteries and wearing parts are not covered by warranty.

Expandable, options and accessories

The product cannot be expanded.

Manufacturing, lifespan, environmental impact and recycling

Manufactured by Milleteknik in Partille, Sweden.

The product is designed and constructed for a long service life, which reduces the environmental impact. The life of the product (except wearing parts) depends on, among other things, environmental factors, mainly ambient temperature, unforeseen load on components such as lightning strikes, external impact, handling errors, etc. Products are recycled, simply because they are modular, by being left at the nearest recycling station or sent back to the manufacturer.[1]Contact your distributor for more information.

[1]Costs incurred in connection with recycling are not reimbursed.

Link to the latest information

Products and software are subject to updates, you will always find the latest information on our website.

PoE

Miscellaneous

The difference between PoE, PoE+ and PoE++.

-	PoE	Poe+	PoE++
Official name	IEEE 802.3af	IEEE 802.3at	IEEE 802.3bt
Maximum power	13 W	25 W	71 W
Compatible[a.]	-	PoE	PoE, PoE+

[a.] The power supply follows "up", but not "down". A PoE can never power a PoE+/PoE++ device that requires more than 13 W.

About this information

All information is published subject to possible errors. This document is updated without notice.