

Power strip SL-EH100MID



Safety instructions and warnings:

Only use this counter:

- as intended
- in perfect technical condition
- in compliance with the operating instructions and safety regulations

Do not connect power strips in series!

Do not operate the power strip uncovered! Do not dispose of the old appliance with household waste, but dispose of it at local recycling centers.

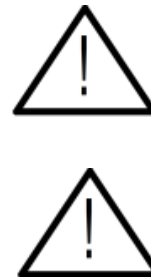
Intended use:

The customary local standards, guidelines, provisions and regulations must be complied with. The meter may only be installed by qualified and appropriately trained personnel. The meter must be protected from moisture during storage and transportation and must not be operated outside the specified technical data ($I_{max} = 16 \text{ A!}$). If the housing is damaged, the device may no longer be used!

Maintenance and cleaning:

The SL-EH100MID is maintenance-free. Repairs may only be carried out by the manufacturer. To clean the meter, wipe it with a dry, soft cloth with the power disconnected. Never use corrosive substances or substances containing solvents for cleaning.

Attention: Opening the device invalidates the calibration and any warranty



Description:

The SL-EH100MID power strip was developed for portable devices that are primarily used in rental applications. A mandatory MID-certified version (EN50470-1 and EN50470-3) is required for billing the customer. The calibrated version is identified on the type plate of the meter by the year in which it was placed on the market (e.g. M16) and the notified body that performed the calibration (e.g. 366). This version may be used for billing customers. The calibration is valid for 8 years.

The SL-EH100MID complies with protection class IP54, dust and splash water protection, and is therefore suitable for outdoor use.

After switching on the power strip, the installed hardware (e.g. HW2) and the software version (e.g. V3.8) are displayed for approx. 1 second and is then immediately ready for use.

Energy meter:

The energy consumed is counted and displayed in 0.01 kWh increments. The meter reading is saved permanently in a non-volatile memory after each change (data retention > 10 years). The display range is 5 digits before the decimal point and 2 digits after the decimal point: xxxxx.xx kWh. The LED on the front panel flashes according to the currently consumed energy: slow flashing = low energy consumption, fast flashing = high energy consumption. The counter constant of the LED is 6400 Imp/kWh.

Hour meter:

A flashing star at the last digit indicates that the counter is working properly. The display range is 5 digits before the decimal point and 2 digits after the decimal point: xxxxx.xx h. The digits after the decimal point are displayed in "decimal" hours 0 to 0.99. The smallest unit 0.01h corresponds to 1/100 hour or 0.99 seconds. The smallest unit 0.01h corresponds to 1/100 hour or 36 seconds. The counter reading is saved permanently in a non-volatile memory after each change (data retention > 10 years)

Thermal circuit breaker 16A:

If the power strip is permanently loaded with a current of more than 16A, the appliance circuit breaker disconnects the connected load from the mains. Once the switch has tripped, it can be removed without tools after cooling down. be switched on again from outside. This means maximum safety, no more overloading of the socket strip. No more problems with scorched or burning sockets. This is particularly important if the multiple socket outlet is left unattended for long periods of time, as is usually the case during drying operations.

Important information on the calibration period for measuring devices in accordance with the Measurement and Calibration Ordinance:

The calibration period for electronic electricity meters is 8 years.

The calibration period begins on the day the meter manufacturer places the meter on the market. It ends at the end of the year in which the period ends arithmetically.

Example 1:

Marking of the meter CE M18 for calibration in 2018.

The meter was purchased from the **meter manufacturer in** the course of **2019**. The purchase from the manufacturer is the **placing on the market**, the calibration period is the **current year 2019 plus 8 years**. The meter may be used until **31.12.2027**.

Technical changes are possible at any time without prior notice.

Example 2:

Marking of the meter CE M19 for calibration in 2019.

The meter was purchased from the **meter manufacturer in** the course of **2019**. The purchase from the manufacturer is the **placing on the market**, the calibration period is the **current year 2019 plus 8 years**. The meter may be used until **31.12.2027**.

If the meter is marked differently, e.g. CE M18 and placed on the market, e.g. 2019, the invoice for the meter must be kept in order to be able to prove the year of placing on the market in the event of an inspection by the market surveillance authority.

General technical data:

Rated voltage	230 V - 10% + 10% 50Hz
Self-consumption active power:	<0.5 W
Max. power	16 A / 3500 W
Temperature range:	- 10°C to + 55°C
Storage temperature:	- 20°C to + 70°C
Altitude:	up to 2000 m
Protection class:	I
Protection class:	IP54 (dust and splash-proof, suitable for outdoor use)
Housing:	Polyamide glass fiber reinforced
Dimensions (L/W/H):	250 mm x 90 mm x 50 mm
Weight:	approx. 700 g without connecting cable

Energy meter:

Display:	LCD 2 x 8 digits, digit height 5 mm
Meter constant LED:	6400 Imp / kWh
Current definition:	Actual \ddot{u} 20 mA, I _{min} = 0.25 A, I _{tr} = 0.5 A, I _{ref} = 5 A, I _{max} = 25 A
Accuracy class:	B (1 %)

Operating hours counter:

Accuracy:	2 %
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EU Declaration of Conformity:

Product description: Electronic single-phase active consumption and hour meter, installed in a power strip

Type designation: EH100MID

The designated product to which the declaration refers complies with the following standards or normative documents:

Directive 2014/32/EU of the European Parliament and of the Council of February 26, 2014 on measuring instruments, and is verified by compliance with the standard DIN EN 50470-1:2007-05 and DIN EN 50470-3:2007-05

EC type-examination certificate: DE-MTP 13 B 004 MI-003

Certificate of Conformity No.: PL-MI003-EM-1-2024

*This declaration certifies compliance with the stated directives, but does not constitute a guarantee of properties. Safety instructions in the supplied product documentation must be observed.

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