

DEC-2
004804051

El. meter
Merilni instrument
Mjerni instrument
Miernik
Měřicí přístroj
Merací prístroj
Fogyasztásmérő
El. Energijos skaitiklis
Измерительный прибор
Elekro enerģijas skaitītājs
Elektriarvesti
Messgerät



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www.etigroup.eu/products-services

ETI

Compliance

MID Directive 2014/32/EU

Purpose

DEC-2 is a static (electronic) indicator calibrated electricity three-phase alternating current in the system directly.

Functioning

A special electronic system under the influence of current flow and applied voltage in each phase, generates pulses in proportion to the electricity consumed in this phase. Phase energy consumption is indicated by flashing the corresponding LED (L1, L2, L3). The sum of the pulses of the three phases is indicated by a flashing LED shall be converted to energy, taken throughout the three-phase system, and its value is determined by the segment LCD display. Decimal represent the hundredths (.01 kWh = 10Wh).

Pulse output

The meter is equipped with pulse output SO+ – SO-. This allows you to connect another pulse device (SO) that reads pulses generated by the meter.

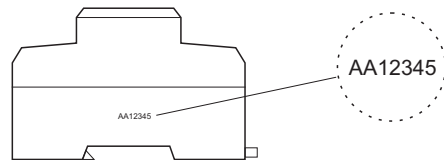
No additional connected equipment is required for proper operation of the meter.

Sealing

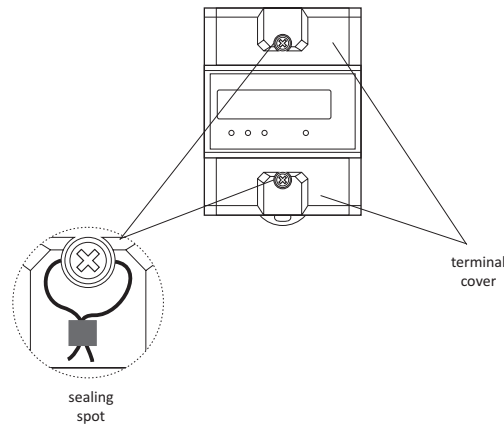
The meter has sealable input and output terminal covers to prevent any attempts to bypass the meter.

Meter number

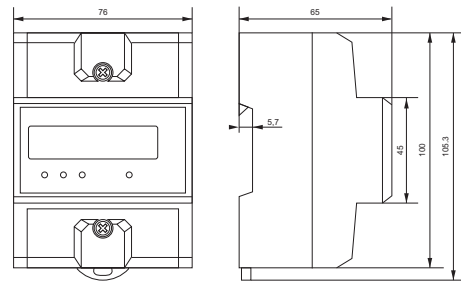
The meter is marked with individual serial number allowing its unambiguous identification. The marking is laser engraved and cannot be removed.



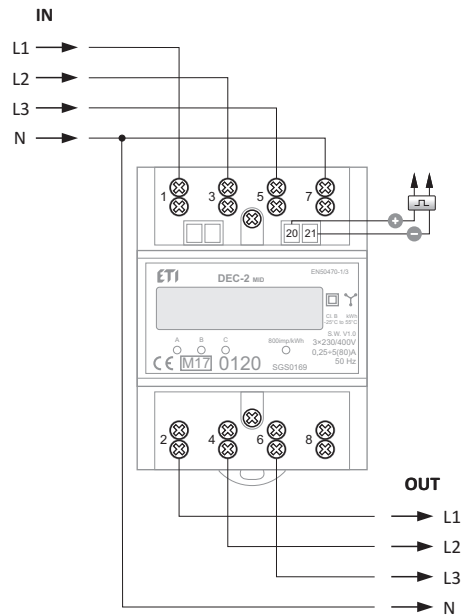
Meter front description



Dimensions



Connection scheme



20, 21 – pulse output

Assembly

1. Disconnect the power supply.
2. The indicator mounted on a rail in the distribution box.
3. Using a screwdriver, remove the screws and remove the front shield meter terminals.
4. Power supply connected to the terminals 1 (L1), 3 (L2), 5 (L3).
5. Measuring circuit or a single receiver connected to terminal 2 (L1), 4 (L2), 6 (L3).
6. Connect the cable to the terminal N 7.
7. Additional pulse receiver connected to terminals 20(+)-21(-). The terminals are located under the top shell meter terminals.

NOTE!

Additional pulse receiver is not required.

8. Install shield meter terminals.

Technical data

compliance
reference voltage
base current
maximum current
minimum current
accuracy class
own power consumption
indication range
meter constant
current consumption signal
read-out signalling
pulse output
pulse output type
voltage maximum
current maximum
pulse constant
pulse time
working temperature
terminal dimensions
mounting
protection level

MID Directive 2014/32/EU
3x400 V+N
5 A
63 A
0.04 A
B
<10 VA; <2 W
0÷999999.99 kWh
800 pulse/kWh
3×red LED
red LED
open collector
30 V DC
27 mA
800 pulse/kWh
35 ms
-20÷55°C
16 mm² screw terminals
4.5 modules (75 mm)
on the TH-35 rail
IP20

General safety conditions

- * Please read the manual carefully prior to installing the meter.
- * The meter should be installed and operated by qualified personnel familiar with the construction, operation and any hazards involved.
- * Do not install the meter if it is damaged or incomplete.
- * The user is responsible for proper grounding, selection, installation and functionality of any other devices connected to the meter, including security devices such as overcurrent protection breakers, differential switches and surge protectors.
- * Before connecting the power supply make sure that all cables are connected properly.
- * Always follow the operational conditions of the meter (voltage, humidity, temperature).
- * In order to avoid electric shock or damage to the meter, disconnect the power before each change in connection configuration.
- * Do not modify the device on your own, as this may cause damage or improper operation of the meter and consequently expose the users to risk. In these cases the manufacturer is not liable for ensuing events and reserves the right to refuse the warranty claims on the counter.