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LE-01d

Electric energy meter, single-phase



Do not dispose of this device in the trash along with other wastel According to the Law on Wlaste, electro coming from households free of charge and can give any amount to up to that ever point of collection, as well as to store the occasion of the control of less of brand). Electro thrown in the trash or alandoned in nature, pose a threat to the periornoment and human health.



Compliance

MID Directive 2014/32/EU Certificate TCM 221/12-4971

Purpose

LE-01d is a static (electronic) calibrated electricity meter of single-phase alternating current in a direct system.

Functioning

A special electronic system under the influence of flowing current and applied voltage generates pulses proportional to the drawn energy. Energy consumption is indicated by a flashing LED. The amount of pulses is converted into energy input, and its value is displayed by the segment LCD display. The fractional digits represent the hundredths (0.01 kWh = 10 Wh).

Measured value

Active energy consumed AE+ [kWh]

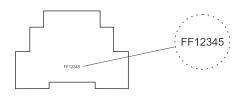
Pulse output

The meter is equipped with pulse output open collector (OC type). 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.

Meter number

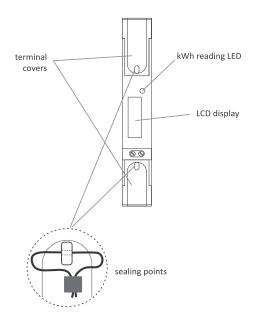
The meter is marked with individual serial number allowing its unambiguous identification. The marking is laser engraved and cannot be removed).



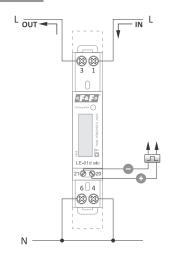
Sealing

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

Meter front description



Wiring diagram

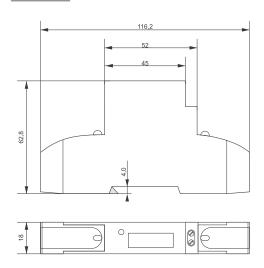


- 1 LIN power supply input
- 3 Louт power supply output
- 4, 6 neutral N-wire
 - 20 pulse output (+)
 - 21 pulse output (-)

Technical data

1-phase type installation 2-wire reference voltage 230 V AC minimum current 0.25 A base current 0.25÷5 A 50 A maximum current detection threshold (minimum measured current) 0.02 A voltage measuring range 160÷265 V measurement accuracy (EN50470-1/3) B class rated frequency 50 Hz insulation protection class П housing PC+ABS material own power consumption 8 VA: 0.4 W 0÷99999.99 kWh indication range (1 Wh/pulse) 1000 pulses/kWh constant red LED read-out signalling pulse output open collector type maximum voltage 27 V DC maximum current 27 mA pulse constant 1000 pulses/kWh pulse time 90 ms working temperature -20÷55°C terminal 6 mm² screw terminals dimensions 1 module (18 mm) mounting on TH-35 rail ingress protection IP20

Dimensions



Warranty

F&F products are covered by a 24-month warranty from the date of purchase. The warranty is only valid with proof of purchase. Contact your dealer or contact us directly.

CE declaration

F&F Filipowski sp. j. declares that the device is in conformity with the essential requirements of The Low Voltage Directive (LVD) 2014/35/EU and the Electromagnetic Compatibility (EMC) Directive 2014/30/UE.

The CE Declaration of Conformity, along with the references to the standards in relation to which conformity is declared, can be found www.fif.com.pl on the product subpage.

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General work safety conditions

- » Please read the instructions carefully before installation.
- » The device should be installed and operated by qualified personnel who are familiar with its design, operation, and associated risks
- » Do not install a meter that is damaged or incomplete.
- » The user is responsible for proper grounding of the system, proper selection, installation, and efficiency of other devices connected to the meter, including safety devices such as overcurrent, residual current and overvoltage circuit breakers.
- » Before connecting the power supply, make sure that all cables are connected correctly.
- » It is essential to observe the operating conditions of the meter (supply voltage, humidity, temperature).
- » To avoid electric shock or damage to the meter, turn off the power supply whenever the connection is changed.
- » Do not make any changes to the unit yourself. Doing so can result in damage to or improper operation of the device, which in turn can pose a threat to people operating it. In such cases, the manufacturer is not responsible for the resulting events and may refuse the provided warranty in the event of a complaint.
- » Do not tighten the terminals without the wire inserted. This may damage the lift mechanism of the terminal or the plastic cover of this terminal