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LE-02d Electric energy meter,

3-phase

519083121592686

Nie wyrzucać tego urządzenia do śmietnika razem z imnymi odpadami i zgodnie z ustawą o zusjym przejse jelektromienia podrodzące z popodostawo domowego można oddać bezplatnie i w dowolnej libós do utworzonego w tym celu punktu zbierania, a także do skepu przy okazi okonywania zakuju nowego sprzeju ki myd zasoty stary za nowy, bez względu na marie). Elektrośmień wyrzucne do śmietnika lub porzuczone na foline przyrody, stwarzaji zagrożenie da środowska oraz zdrowia ludzi.



Compliance

MID Directive Certificate 2014/32/EU 0120/SGS0169

Purpose

The LE-02d 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).

Measured value

Active energy consumed

AE+

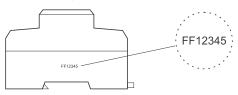
[kWh]

Pulse output

The indicator has a pulse output. This allows you to connect a pulse meter-reading pulses generated by the counter. For proper operation of the indicator is not required to connect additional devices.

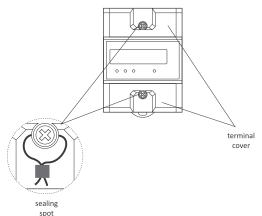
Meter number

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



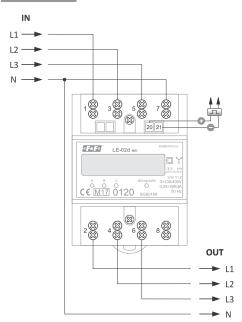
Sealing

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



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Wiring diagram



- L1IN phase wire
 L1OUT phase wire
- 3 L2IN phase wire
- 4 L2out phase wire
- 5 L3IN phase wire
- 6 L3out phase wire

- 7 N-wire neutral
- 20 pulse output (+) 21 pulse output (–)

Mounting

- 1. Disconnect the power supply.
- 2. The indicator mounted on a rail in the distribution box.
- Using a screwdriver, remove the screws and remove the front shield meter terminals.
- 4.Connect the voltage-controlled phase, following the indications to terminals 1 (L1), 3 (L2), 5 (L3).
- 5. N-wire connect to terminal 7.
- Do not tighten the terminals without an inserted wire.
 This may damage the clamping mechanism or the plastic cover of the terminal.
- 6.Additional pulse receiver connected to terminals 20(+) 21(–). The terminals are located under the top shell meter terminals.
 - Additional pulse receiver is not required.
- 7. Put the meter terminals covers.

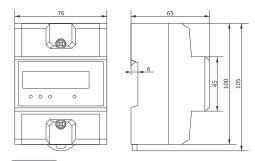
Technical data

ingress protection

installation 4-wire rated voltage 3×230/400 V minimum current measured 0 04 A 3×5 A base current maximum current 3×80 A 160÷265 V AC voltage measuring range measurement accuracy (EN50470-1/3) class B rated frequency 50 Hz insulation protection class П PC material housing own power consumption 10 VA: 2 W indication range 0÷999999 99 kWh constant 800 pulses/kWh 3× red LED current consumption signalling read-out signalling red LED pulse output tvpe open collector maximum voltage 27 V DC maximum current 27 mΔ 35 ms pulse time working temperature -25÷55°C 16 mm² screw terminals terminal dimensions 4.5 module (75 mm) on TH-35 rail mounting

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 and MID 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.

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.

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