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LE-02D

Three-phase energy meter

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MID compliant. Three-phase energy meter. Maximum current 80A.

LE-02d is a static (electronic) indicator calibrated electricity three-phase alternating current in the system directly.



FUNCTIONING

DESCRIPTION

Compliance

MID Directive 2004/22/EC

EN 50470-1/3

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).

Attention!

The indicator has a pulse output SO+ SO-. This allows you to connect another device pulse-reading (SO) pulses generated by the counter.

For proper operation of the meter is not required to connect additional devices.

*) **Base current** - determines the current value at which the percentage measurement error is close to zero. If the current flowing through the meter is higher than the base current value, then the measurement error is negative, which works to the benefit of the electricity payer. On the other hand, if the current flowing through the meter is lower than the base current value, the percentage measurement error is positive and that acts against the electricity payer. These statements arise from metrological characteristics (percentage measurement error as a function of current), supplied to the user manual of a electricity meter. It is obvious that the meter measures electricity correctly with the meter accuracy class in the whole measurement range.

Maximum current - the maximum current for permanent load of the electricity meter.

Minimum current - the lowest value of the load current, which the meter detects and record.

Marking on the device: 5(63)A - position 1 (before the parenthesis): base current of 5A; position 2 (in parentheses): maximum current 63A.

TECHNICAL DATA

Nominal current (In)	5 A
Max. current (Imax)	80 A
Model	Direct measurement
Measurement type load profile	No
Escapement mechanism	Yes
Calibrated	Yes
Width in number of modular spacings	4.5
EEC40 signature	No
With lock code	No
Nominal voltage (Un) N-L	160-265 V
Frequency	50-50 Hz
Pulse rate	800-800 imp/kWh (kvarh)
Type of meter	Electronic
Accuracy class	B
Pole type	Three conductor/four conductor
Energy type	Effective power
Suitable for	Purchase
Tariff type	One-tariff
Approval	Measuring Instruments Directive
Pulse output	Electrical
Pulse type	S0
Type of indication	Digital
Degree of protection (IP)	IP20
Number of positions total (counter)	8
Height	100 mm
Depth	65 mm
Width	75 mm

Power consumption	2 W
Mounting method	DRA (DIN-rail adaptor)

Manual

CE Declaration

Certificate