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**LE-01**

**SINGLE-PHASE ENERGY METER**



5 19 0 8 3 1 2 1 5 9 1 6 3 4

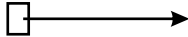
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**Purpose**

LE is static (electronic) rated energy meter which is to serve as an auxiliary meters to measure the energy consumption in a direct system.

**Functioning**

The meter is equipped with a special electronic circuit which generates pulses proportionally to electric energy consumption in a given phase by means of the current flow and voltage applied. The number of the pulses from  $t$  is signalled by blinking of an LED, calculated in phase into the electric energy consumed in the system, and finally its total value is indicated by a mechanical drum counter. The last red digit in the counter indicates 0.1 kWh (100 Wh).



**Technical data**

reference voltage	230V AC $\pm 30\%$
basic current	5A
maximum current	45A
minimum current	0,02A
measurement accuracy per IEC61036	class 1
counter's own power consumption	<8VA; <0,4W
drum counter indication range	0÷99999.9 kWh
constant of a meter (1Wh/pulse)	1000 pulses/kWh
current consumption signal	1×red LED
pulse output SO+ SO-	open collector
connection voltage SO+ SO-	< 27V DC
connection current SO+ SO-	< 27mA
constant SO+ SO- (1Wh/pulse)	1000 pulses/kWh
czas impulsu SO+ SO-	90msek
working temperature	-20÷55°C
protection level	IP20
connection	6mm <sup>2</sup> screw terminals
measurements	1 modules (18 mm)
fixing	on rail TH-35

**ATTENTION**

Meter is equipped with SO+ - SO- pulse outputs. It enables the connection with other impulse device (SO), reading the pulses generated by the meter.  
The connection of additional device is not required for the proper operation of am meter.

The meter has the possibility of sealing input and output terminals, preventing the meter by-passing.

**Mount**

1. Disconnect power supply
2. Mount the meter on the rail into distribution box.
3. Connect the enter-phase to terminal 1. Connect circuit N to terminal 4.
4. Obwód mierzony lub pojedynczy odbiornik podłączyć do zacisku 3 (faza wyjściow L) i do zacisku 6 (N).
5. Connect additional pulse device under terminals 20(+) - 21(-). ATTENTION! It is compulsory.

**Connection diagram**

