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ELECTRICITY CONSUMPTION METER
 without neutral wire N

LE-05d

WARRANTY. The F&F products are covered by a warranty of the 24 months from the date of purchase. Effective only with proof of purchase. Contact your dealer or directly with us. More information how to make a complaint can be found on the website: www.fif.com.pl/reklamacje



Do not dispose of this device to a garbage bin with other unsorted waste! In accordance with the Waste Electrical and Electronic Equipment Act any household electro-waste can be turned in free of charge and in any quantity to a collection point established for this purpose, as well as to the store in the event of purchasing new equipment (as per the old for new rule, regardless of brand). Electro-waste thrown in the garbage bin or abandoned in the bosom of nature pose a threat to the environment and human health.

Purpose

LE-05d is a static (electronic), calibrated meter of electricity consumption, which is used as sub-meter to the indications of consumed active electricity of the three-phase alternating current in the Aron's measuring system.

Functioning

Special electronic system, under the influence of current flow and applied voltage, generates pulses in each phase in proportion to the electricity consumed in this phase. Energy consumption in phases is indicated by flashing LED A and C. The sum of the pulses of the three phases is indicated by flashing LED (800 imp/kWh) and is converted to energy consumed in the entire three-phase system, and its value is displayed by segment LCD display. The number after the decimal is tenths (0.1 kWh = 100 Wh). Indicator has a pulse output SO+ - SO-

NOTE!

Indicators can seal covers of input and output terminals to prevent making the bypass indicator.

Technical data

reference voltage	3×400V
basic current	3×10A
maximum current	3×100A
minimum current	0.04A
measure precision (with IEC61036)	1 st class
own power consumption	<10VA; <2W
indication range	999999.9kWh
meter constant	(1.25Wh/pulse) 800pulses/kWh
current consumption indication	2× red LED
read-out signalling	red LED
pulse output SO+ SO-	open collector
connection voltage SO+ SO-	<30V DC
connection current SO+ SO-	<27mA
constant SO+ SO-	(1,25Wh/pulse) 800pulses/kWh
working temperature	-20÷50°C
terminal	25mm ² screw terminals
dimensions	7 modules (122mm)
mounting	on TH-35 rail
ingress protection	IP20

Installation

1. Disconnect the power supply.
2. Mount the meter on the rail in the distribution box.
3. Connect power supply to terminals 1 (L1), 3 (L2), 5 (L3).
4. Connect measuring circuit or a single receiver to terminals 2 (L1), 4 (L2), 6 (L3).
5. Connect additional pulse receiver (not required) to terminals 9 (+)/8 (-).

