Energy-3x130 PWR

VN966800



Static meter for active energy consumption in three-phase 230 Vac (phase-phase) systems. 4-module 230 Vac power supply for DIN-rail mounted, current input up to 1000 A via x/5 CTs, with electromechanical counter.

General features

- Green LED: power presence
- Red LED: identifies the energy count (each blink equals 1/4 kWh)
- Yellow LED: identifies connection error
- Selector for transformation ratio: CT selection via dip-switches located under the front cover
- 7-digit non-resettable electromechanical counter
- Amperometric connection via CT x/5 A
- Selectable CT ratios (for CT x/5 A): 5–10–25–50–75–100–125–150–200–250–300–400–500–600–800–1000/5 A
- Possibility of connection in three-phase and three-phase + N systems
- Optoisolated pulse output for PC display of consumed energy via dedicated software (Energy-view) and the corresponding concentrator module (CLIP-485)
- Note: when connecting the device, the CT transformation ratio must exactly match the ratio described above, selectable on the device

Technical specifications

Power supply	
Power supply	3x130 (230) Vac
Frequency	50 / 60 Hz
Measure	
Energy display resolution	1 kWh
Active energy measurement accuracy	Class A (EN 50470)
Voltage circuit absorption	<2,5 VA
Current circuit absorption	< 2,5 VA

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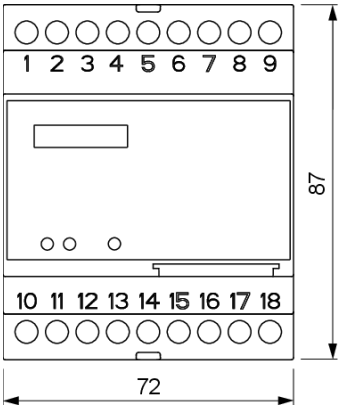
Revision date: 2026-02-02

Measure	
AC current range	5 A 10 A 25 A 50 A 75 A 100 A 125 A 150 A 200 A 250 A 300 A 400 A 500 A 600 A 800 A 1000 A
Starting current	15 mA
Nominal - rated current	5 A
Maximum current	6 A
Operating conditions	
Operating temperature range	-10 ÷ 45 °C
Relative humidity	10% ÷ 90% non-condensing RH
Storage temperature range	-25 ÷ 70 °C
Viewing	
Features of electromechanical counter	7 digits
Viewing	Electromechanical counter
Outputs	
Optoisolated pulse output	✓
Pulse weight	1 kWh
Pulse duration	100 ms
Pulse output current	< 20 mA
Output pulse voltage	9 ÷ 24 Vdc
Mechanical features	
Protection degree	IP20 IP51 (on the front)
Overall dimensions	
Height (A)	87 mm
Width (B)	72 mm
Depth (C)	65 mm

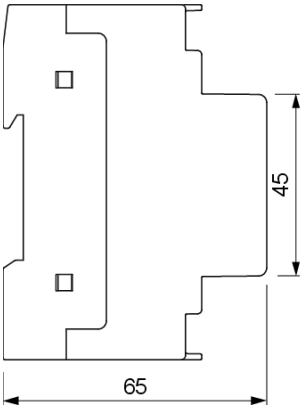
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Dimensions

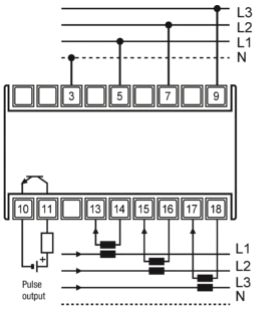
Front View



Side View

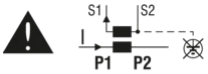


Wiring diagram



Connection with 3 CTs WITH or WITHOUT neutral (3 or 4 wires)

Graphic details



Warning: the secondary circuits of current transformers MUST NOT be connected to earth.

Product variants

Energy-3x130 PWRi

VN967600

4-DIN module energy meter, CT insertion, electromechanical counter, isolated current inputs, 230 Vac

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Accessories compatible with the product

CLIP-485

VN905600

Energy series concentrator module for meters

LAN-485

VE304200

LAN/RS-485 interface + software (on request)

Energy-View

VN970000

System consisting of a USB/RS-485 interface and software for energy meters

Reference standards

Compliance with Community Directives:

• 2014/35/UE (LVD) • 2014/30/UE (EMCD) • 2011/65/UE e 2015/863/UE (ROHS)

is declared with reference to the following Standards:

• EN 61010-1 • EN 50470-1 • EN 50470-3 • EN IEC 63000

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