Energy-230 D22

VE044400



Static meter with LCD display for displaying active energy consumption in single-phase 230 Vac systems. 230 Vac power supply, DIN-rail mounted (2-module), direct current input up to 22.5 A, with backlit LCD display.

General features

- Non-resettable total energy meter
- Programming key
- Consumption count LED
- Power supply LED
- Resettable partial energy meter
- Displaying via LCD display with 7 digits (total energy) + 5 digits (partial energy)
- Active energy consumption indication: 1 LAMP = 10 Wh
- Accuracy class 2
- Static meter with direct connection max. 22.5 A
- Incorrect insertion indication
- Device suitable for measuring
  - total energy
  - partial energy
  - instantaneous power

Technical specifications

Power supply	
Power supply	230 Vac (-15% ÷ +10%)
Frequency	50 / 60 Hz
Absorption	4 VA
Measure	
Instantaneous power display resolution	0.01 kW
Total energy display resolution	0.1 kWh
Partial energy display resolution	0.01 (on a full scale of 999.99) kWh 0.1 (on a full scale of 9999.9) kWh
Active energy measurement accuracy	Class 2 (EN IEC 62053-21)
Current circuit absorption	< 2,5 VA

Vemer S.p.A. declines all responsibility for the use of the products for purposes other than those for which they are intended, as indicated in the technical documentation. Vemer S.p.A. reserves the right to make, without prior notice, such changes as may, in its sole discretion, improve the technical and functional characteristics of the products and the related production logic. The technical characteristics and images of the products indicated are given for information only and are not binding in any way, since they may be modified without prior notice.

Revision date: 2026-02-02

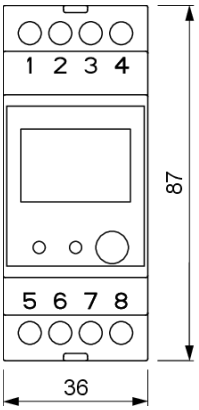
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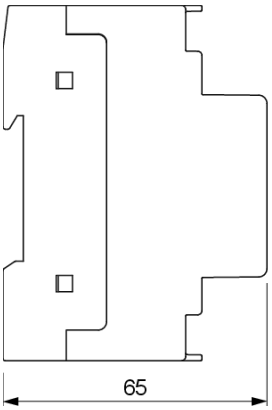
Measure	
AC current range	22.5 A
Type of insertion - current	Direct
Starting current	< 25 mA
Nominal - rated current	10 A
Maximum current	22,5 A
Operating conditions	
Operating temperature range	-10 ÷ 45 °C
Relative humidity	10% ÷ 90% non-condensing RH
Storage temperature range	-25 ÷ 70 °C
Viewing	
Display	Backlit LCD
Digits number	7 (total energy) 5 (partial energy)
Mechanical features	
Protection degree	IP20 IP51 (on the front)
Overall dimensions	
Height (A)	87 mm
Width (B)	36 mm
Depth (C)	65 mm

Dimensions

Front View

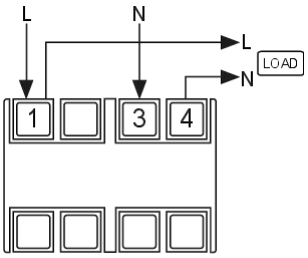


Side View



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Wiring diagram



Product variants

Energy-230 D22 Pulse

VE055000

DIN-rail mounted energy meter, 2-DIN module, 22.5 A direct insertion, backlit LCD, 230 Vac, with pulse output.

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 IEC 62052-11 • EN IEC 62053-21 • EN IEC 63000

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